Exhibit 6



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GM Evaluation Report

Vehicle Program	Requirement	Procedure	VPP/VIA/UPC	Model Year	Model No.	AR/Report No.
Multiple	N/A	Ignition Switch Test	70.02.05	1997-2017	Multiple	2014-03-24-FR1

Title:	On-Road and Static Evaluations of Ignition Switch					
Requestor:	Global Vehicle Engineering	Report Type:	Development	Method:	Hardware Based	
Report Date:	8-Jan-16	Evaluation Dates:	24-Mar-14 to 8-Oct-14	Report Status:	Final	

Objective:

To quantify ignition system performance when subject to inertial events, driver knee contact, and hang tag conditions. Testing was performed to quantify performance as-built, as well as to validate potential remedies in the cases of recalled vehicles.

Conclusion:

The recorded data have been reviewed and are valid for analysis of the designs evaluated. The measurements were performed by the Field Response Team of the Vehicle Systems Engineering organization and the Engineering Measurements (RLDA) Group of the Vehicle Dynamics Center at the Milford Proving Ground (MPG).

Recommendation:

N/A

Design Evaluated									
Part / Test Object Name(s)	Vehicle/Buck/PT/Part No./RPO	Revision Date / Level							
See Figure A1 for test vehicle content									

Authors:	Valarie Boatman, Jacob Gannon, Ali Seyam, Peter Shear	Approver:	Daniel Fosmer	
Title:	Field Response Team, Test Engineers/Technician	Title:	Field Response Team, Supervisor	
Location:	Milford Proving Ground	Location:	Milford Proving Ground	



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GM Evaluation Report

Vehicle Program	Requirement	Procedure	VPP/VIA/UPC	Model Year	Model No.	AR/Report No.
Multiple	N/A	Ignition Switch Test	20.01	1997-2017	Multiple	2014-03-24-FR1

Requirements:

The data were measured to meet the objective of this evaluation.

Background:

Reference RLDA projects 2014-02-25-RLDA2 and 2014-04-16-RLDA2 (available in the Structural Durability Loads Database) for previous evaluations.

Analysis Model:

On-Road Inertial Testing

Visual inspection methods were used to determine key position during on-road events. GMW17290 (Evaluation of Keyed Ignition Robustness to Road Inertial Inputs) describes these analysis methods.

Knee Key Testing

The evaluators were asked to attempt to cause rotation of the ignition key from run to the accessory or off position by using their knee. They were then asked to assess the ease of doing so and describe their seated position. GMW17225 (Power Mode Robustness to Driver Knee Contact) describes these analysis methods.

Hang Tag Testing

The evaluators were asked to place the key tag in various positions with their hand in search of a position where the key tag could be trapped, bind, or catch on any surrounding components. GMW17226 (Ignition Hang Tag Evaluation Procedure) describes these analysis methods.

Assumptions/Limitations:

On-Road Inertial Testing

Variability in driver input, road conditions, vehicle performance, transducer performance, and weather affect the measured data. Identified data anomalies are listed in the comments section of Figure A8, "Run Log".

Knee Key Testing

The test is subjective and limited in the number of evaluators.

Hang Tag Testing

The test is subjective and conservative with intent to identify and validate robustness to potential hang tag conditions.



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GM Evaluation Report

Vehicle Progran	Requirement	Procedure	VPP/VIA/UPC	Model Year	Model No.	AR/Report No.
Multiple	N/A	Ignition Switch Test	20.01	1997-2017	Multiple	2014-03-24-FR1

Equipment:

On-Road Inertial Testing

Key Rings and Weight – Three separate 50 mm inner diameter key rings with total key weights of 0.31 kg (0.70 lb), 0.29 kg (0.63 lb), and 0.25 kg (0.55 lb). Two separate 35 mm inner diameter key rings with total key weights of 0.18 kg (0.40 lb) and 0.14 kg (0.30 lb). One 25 mm inner diameter key ring with a total key weight of 0.10 kg (0.20 lb).







Example 0.7 lb Key Weight

Data Recorder and Accelerometer(s) – In some instances, the test vehicle was equipped with an accelerometer(s) and LMS SCADAS digital data acquisition system to measure the acceleration in the proximity of the ignition switch. The digital data recorder sampled acceleration data at 1024 Hz with a low pass anti-alias filter set at 300 Hz. The accelerometer(s) was DC type with a performance bandwidth complementary to or exceeding the anti-alias filter. Recording equipment, sample rate, and anti-aliasing filter are identified in Figure A4. Recorded channel information, including transducer types and sensitivities, are identified in Figure A5.

Torque Meter – The MARK-10 digital torque indicator was used for system torque and ignition switch torque measurements.

Mark-10 digital torque indicator: Model-BGI S/N-43001 Equipment ID-TK107861 Mark-10 torque transducer: Model-STJ12 S/N-37318 Equipment ID-TK107860

Pull-Down Force Meter – A digital force meter was used for pull-down force testing.

Extech Digital Force Meter: Model 475040 S/N-L621629 Equipment ID-MC7162

 $Inclinometer-An\,inclinometer\,with\,resolution\,of\,one\,\textbf{(1)}\,degree.\ \ Various\,inclinometers\,were\,utilized\,during\,testing,$

but all were verified using a Mitutoyo digital inclinometer.

Mitutoyo digital inclinometer: Model-PRO 360-950-317 S/N-13092032 Equipment ID-NV028530



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GM Evaluation Report

Vehicle Program	Requirement	Procedure	VPP/VIA/UPC	Model Year	Model No.	AR/Report No.
Multiple	N/A	Ignition Switch Test	20.01	1997-2017	Multiple	2014-03-24-FR1

Knee Key Testing

Tape measure / scale

Calipers

Inclinometer – An inclinometer with resolution of one (1) degree.

Hang Tag Testing

Rigid key tag approximately 90 mm in length and 40 mm in width. The key tag had a single key ring, approximately 28 mm inner diameter with wire thickness approximately 2 mm, attached in a way to minimize twist or movement between the key tag and the ring. Tag material was stiff, rigid leather.



Example Rigid Key Tag

Camera

Tape measure / scale

Calipers

Inclinometer – An inclinometer with resolution of one (1) degree.



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GM Evaluation Report

Vehicle Program	Requirement	Procedure	VPP/VIA/UPC	Model Year	Model No.	AR/ Report No.
Multiple	N/A	Ignition Switch Test	20.01	1997-2017	Multiple	2014-03-24-FR1

Procedure / Method:

Vehicle Modifications

All vehicle and ignition key modifications are noted in the "Vehicle Modifications" and "Vehicle Specification / Configuration Notes" sections of Figure A1. In some cases steering column shrouding or surrounding dash trim panels were removed to provide a mounting surface for the accelerometer(s). These modifications can be seen through the photographs in Appendix B.

Various key configurations including, but not limited to, those shown below were evaluated during portions of this testing.



Example Overmold 1 key configurations



Example Overmold 2, Overmold 3, and Flip key configurations



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GM Evaluation Report

Vehicle Program	Requirement	Procedure	VPP/VIA/UPC	Model Year	Model No.	AR/Report No.
Multiple	N/A	Ignition Switch Test	20.01	1997-2017	Multiple	2014-03-24-FR1

Measurement Methods

On-Road Inertial Testing

In some instances, ignition switch acceleration levels were measured. In vehicles with steering column mounted ignition systems, a tri-axial accelerometer was bonded to the steering column near the ignition system. In vehicles with dash mounted ignition systems, a tri-axial accelerometer was bonded to an area on the dashboard near the ignition system. A GPS antenna was used in conjunction with the SCADAS data recorder to record test vehicle speed and location.

In some instances, a NeoVI Pro was used to decode the CAN (Controller Area Network) vehicle bus system power mode. It was later determined that visual inspection of the key state correlated 100% with this measurement method. When performing visual inspections, a voltage trigger was used as an event marker to identify if / when unintended ignition key rotation occurred.



Example Column Mounted Tri-Axial Accelerometer

Example Dash Mounted Tri-Axial Accelerometer

A list of all recorded data channels, including brief descriptions of the measurement methods, is given in Figure A5. Further details regarding accelerometer locations can be seen through the photographs in Appendix B.



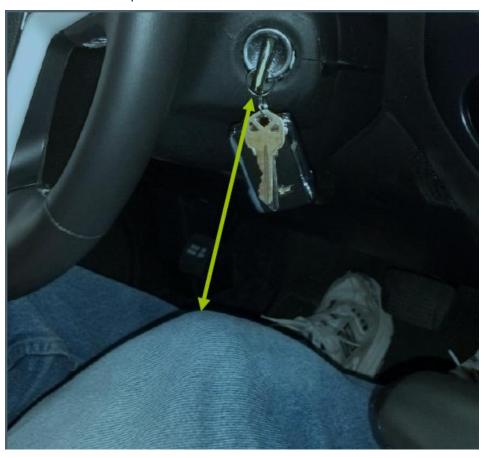
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Vehicle Program	Requirement	Procedure	VPP/VIA/UPC	Model Year	Model No.	AR/Report No.
Multiple	N/A	Ignition Switch Test	20.01	1997-2017	Multiple	2014-03-24-FR1

Knee Key Testing

With the evaluator seated in the driver seat, the shortest, straight-line distance from the driver's knee to the key head with the ignition key in the run position was measured. In most evaluations, the measurements were done with the driver's foot in three positions: foot on gas, foot on brake, and relaxed. In some cases, where the ignition key also had a detached fob, these measurements were repeated for the distance between the driver's knee and fob.



Knee key sample measurements



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Vehicle Program	Requirement	Procedure	VPP/VIA/UPC	Model Year	Model No.	AR/Report No.
Multiple	N/A	Ignition Switch Test	20.01	1997-2017	Multiple	2014-03-24-FR1

Hang Tag Testing

If hang tag conditions were identified, the evaluator photographed or recorded video of the condition(s) and documented the resulting behavior, e.g., unintended ignition key rotation or steering wheel movement restriction. The evaluator then measured and recorded the minimum, straight line distance from the ignition key head to the location where the key tag contacted the surrounding area.







Hang tag examples



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Vehicle Program	Requirement	Procedure	VPP/VIA/UPC	Model Year	Model No.	AR/Report No.
Multiple	N/A	Ignition Switch Test	20.01	1997-2017	Multiple	2014-03-24-FR1

Test Methods

On-Road Inertial Testing

The vehicle and instrumentation setup/operation were checked prior to recording test data.

In most cases, on-road inertial data were collected at ballast conditions approximately equivalent to LVW (Light Vehicle Weight, which is defined as vehicle plus driver and recording equipment).

Schedules

On-Road Inertial Testing

On-road inertial data were measured on schedules of the GMW17290 (Evaluation of Keyed Ignition Robustness to Road Inertial Inputs). The detailed "Run Log" is given in Figure A8.

Knee Key Testing

Knee key data were measured using elements of the GMW17225 (Power Mode Robustness to Driver Knee Contact).

Hang Tag Testing

Hang tag data were measured using elements of the GMW17226 (Ignition Hang Tag Evaluation Procedure).

Results:

On-Road Inertial Testing

The data were processed and delivered to the requester as shown in the "Data Processing Flowchart", Figure A9. Overall peaks for the processed data channels are given in Figure A11. The ignition key state during on-road inertial events is documented in the "Acceleration Data Run Log" (Figure A8), "Test Vehicle Worksheets" (Appendix C), and "Results Summary" (Appendix D).

Knee Key Testing

The knee key data were delivered to the requester and documented in the "Test Vehicle Worksheets" (Appendix C) and "Results Summary" (Appendix D).

Hang Tag Testing

The hang tag data were delivered to the requester and documented in the "Test Vehicle Worksheets" (Appendix C) and "Results Summary" (Appendix D).

PRTS Issues:

1573016 - Ignition Switch, Steering Column – Engine Shut Off During Testing

1580716 - KEY ASM-DR LK & IGN LK FLDG (W/ R/CON DR LK XMTR)(CODED) - Vehicle intermittent stall

1583493 Ignition Lock Cylinder Housing, Ignition – Steering Column – Key head orientation/location susceptible to inadvertently

turning off vehicle with knee

1725317 - Ignition Switch, LF Interior – Driver unintentionally shut off vehicle



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Vehicle Program	Requirement	Procedure	VPP/VIA/UPC	Model Year	Model No.	AR/Report No.
Multiple	N/A	Ignition Switch Test	20.01	1997-2017	Multiple	2014-03-24-FR1

References / File Storage:

Several projects supported the development of the referenced GMW test procedures. These include, but are not limited to:

- Key Chain Length Study for Ignition Switch Inertial Test GMW
 - o Ali Seyam October 17, 2014 Project #2014-06-01-FR1
- Key Chain Measurement Study
 - Product Usage Measurements and Applications September 17, 2014
- Technical Assessment of Ignition Switch Test Methods, Procedures, and Analysis Techniques
 - o Virginia Tech Transportation Institute August 30, 2014

Documentation for these projects, as well as all of the collected data files, are stored on the Vehicle Systems Engineering shared drive. To obtain copies of collected data, contact the Field Response Team.

Appendix:

• •		
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Note: Not all figures and/or photographs are available for all vehicles tested. For example, if acceleration data were not measured, Figures A4, A5, A8, A9, and A11 do not apply.

GMNA US / Vehicle Systems Engineering Field Response Team

Appendix D

Results Summary

2014-03-24-FR1 GM CONFIDENTIAL

	Test Vehicle Information															
Vehicle Wo			AA		A	ιB		AC	AD	,	ΑE		AF	A	.G	AH
Platform			K-Car		K-(Car		-Car	H-Car		Car		W-Car		Car	H-Car
Program			\$5\$			58		IX130	GMX220		58		GMX210		K310	GMX310
Model Year			1999			199		999	2000		000		2000		100	2000
Make			Cadillac		Cad			mobile	Buick		dillac		Chevrolet		ntiac	Pontiac
Model			Seville		Sev			lero	LeSabre		ville		Impala	Bonr		Bonneville
VIN		1	G6KY5494XU9289	172		DXU934768		XXC353768	1G4HR54KAYU320651		6YU252494	201\	VF52E7Y9192400		8Y4216064	1G2HZ5414Y4184859
Mileage		'	234391	113		1899		4646	175839		2756	2011	93159		261	116734
	and Inviting Contains Information		234391		132	1899		4040	175839	132	2/30		93159	90	201	110/34
	ed Ignition System Information															
	itch Part Number		25312	25681506	2568			99340	Not Recorded		31506	22599340	22599340		8329	25668329
	itch Torque (Ncm)		4.3	13.3		1.1		9.9	24.5	-	3.0	10.2	10.2		.4	10.8
System Tor	que (Ncm)		6.2	14.8		2.1		4.6	40.5		0.8	17.8	Not Recorded		.6	12.6
Pull-down F			×49	>49		corded		6.3	>49		49	31.2	Not Recorded		5.7	>49
Steering Co	lumn Rake Angle (deg)	1	V/A	N/A	N.	/A	1	I/A	35	N	I/A	N/A	N/A	N	/A	N/A
	OFF		-22	-22	-2	25		5	-10	-7	22	0	0)	-3
Key Angle	ACC		11	11		В		34	40	1	10	32	32	3	0	26
(deg)	RUN		40	40	4	10		59	60	4	40	61	61	6	0	60
	CRANK		78	78	8	10		90	80	7	77	97	97	ç	0	94
Shifter Posi	tion (column/floor)	F	loor	Floor	Flo	oor	F	oor	Column	Flo	oor	Floor	Floor	FI	oor	Floor
	n (column/dash/floor)		ash	Dash		ish		ash	Column		ash	Dash	Dash		ish	Dash
	Inertial Test				, Do				22.41111			_3311				_3311
Key Type	mortiai rest	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Outo	mold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overr	nold 1	Overmold 1
		None	One-Piece		None	One-Piece		one			One-Piece	None	One-Piece		noiu i	
Insert Hole				None					None	None						None
Insert Hole		N/A	4x4	N/A	N/A	4x4		I/A	N/A	N/A	4x4	N/A	4x4		/A	N/A
	side Diameter (mm)	25	13	25	25	13		25	25	25	13	25	25		!5	25
Number of	Key Rings	1	2	1	1	2		1	1	1	2	1	1		1	1
Special Con	figuration Notes	N/A	Inertial Test Not Performed	N/A	N/A	Inertial Test Not Performed	r	1/A	N/A	N/A	N/A	N/A	Inertial Test Not Performed	N	/A	N/A
Weight (lb)		0.70	Not Recorded	0.70	0.70	Not Recorded	(.70	0.70	0.70	Not Recorded	0.70	Not Recorded	0.	70	0.70
Cubilete @		N	Not Recorded	N	N	Not Recorded		N	N	N	Not Recorded	N	Not Recorded		V	N
	ding Chatter & Angled RR)	N	Not Recorded	N	N	Not Recorded		N	N	N	Not Recorded	N	Not Recorded		V	N
	er (Hz MPH/3) @ 55 to 45 mph	N	Not Recorded	N	N	Not Recorded		N	N	N	Not Recorded	N	Not Recorded		V	N
	d RR crossing @ 70+ mph	N	Not Recorded	N	N	Not Recorded		N	N	N	Not Recorded	N	Not Recorded		V	N N
Pothole #1		N	Not Recorded	N	N	Not Recorded		N	N N	N	Not Recorded	N	Not Recorded		V	N N
Pothole #2		N		N	N N			N N	N N	N		N N			V	N N
Panic stop		N N	Not Recorded	N N	N N	Not Recorded Not Recorded		N N	N N	N N	Not Recorded Not Recorded	N N	Not Recorded		N N	N N
Belgian Bloo		N	Not Recorded Not Recorded	N N	N N	Not Recorded		N	N N	N N		N N	Not Recorded Not Recorded		V.	N N
beigian biod		IN	Not Recorded	IN	IN	Not Recorded		IN	IN	IN	Not Recorded	IN	Not Recorded		V	IV
	Knee Key Test															
	Ease	Not Recorded			Difficult	Difficult		Possible	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	Not P		Difficult
	Driving Position	Not Recorded	Not Recorded	Not Recorded	Abnormal	Abnormal		I/A	N/A	N/A	N/A	N/A	N/A	N	/A	Abnormal
5% Female	Knee Distance from Key (mm)	Gas - 152	Gas - 152	Not Recorded	Gas - 127	Gas - 127	Gas	- 165	Gas - 146	Gas - 165	Gas - 165	Gas - 127	Gas - 127	Gas	- 160	Gas - 133
	Knee Distance from Fob (mm)	Gas - 63	Gas - 76	Not Recorded	Gas - 63	Gas - 69	Not R	ecorded	Not Recorded	Gas - 95	Gas - 101	Gas - 76	Gas - 69	Not Re	corded	Not Recorded
	Ease	Not Possible	Easy	Not Recorded	Easy	Not Recorded	E	asy	Not Possible	Easy	Easy	Easy	Not Recorded	Ea	isy	Easy
	Driving Position	N/A	Abnormal	Not Recorded	Abnormal	Not Recorded	Abr	ormal	N/A	Abnormal	Abnormal	Abnormal	Not Recorded	Abn	ormal	Abnormal
50% Male	Knee Distance from Key (mm)	Gas - 165	Gas - 165	Not Recorded	Gas - 145	Not Recorded	Gas	- 160	Gas - 230	Gas - 150	Gas - 150	Gas - 165	Not Recorded	Gas	- 160	Gas - 145
	Knee Distance from Fob (mm)	Gas - 95	Gas - 100	Not Recorded	Gas - 80	Not Recorded	Not R	ecorded	Not Recorded	Gas - 105	Gas - 110	Gas - 120	Not Recorded	Not Re	corded	Not Recorded
	Ease	Easy	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Easy	Not Possible	Not Possible	Difficult	Not Recorded	Easy	Not Recorded	Easy	Easy	Easy
	Driving Position	Abnormal	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Abnormal	N/A	N/A	Abnormal	Not Recorded	Abnormal	Not Recorded	Abnormal	Abnormal	Abnormal
95% Male	Knee Distance from Key (mm)	Gas - 90	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 75	Gas - 110	Gas - 107	Gas - 81	Not Recorded	Gas - 90	Not Recorded	Gas - 80	Gas - 57	Gas - 75
	Knee Distance from Fob (mm)	Gas - 20	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas -10	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Hang Tag Test															
Condition P	Possible? (Yes/No)	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Re	corded	Not Recorded
	Comments	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Re	corded	Not Recorded

Vehicle Workboo Platform Program Model Year Make Model VIN Milleage Keyed Igi Ignition Switch P Igniti	inition System Information Part Number Torque (Ncm) (Ncm) (Nm) (N) n Rake Angle (deg) F C N N ANK (column/floor) Inertial Test	Al K-Car K-Car SSS 2001 Cadilizi Sevili 1G6KY549411 1514E Incorrectly R 9,9 10.5 349 N/A -24 14 42 76 Floor Dash	ic e J294796 8 ecorded	G- GM 2(2 Oldsr Au 1G3GR64H Incorrecti Incorrecti 5 5 >49	AJ Car Car X160 X160 X160 X160 X160 X160 X160 X160	8 11	G 1G2NV1	AK N-Car SMX130 2001 Pontlac rand Am 2E61M644588 119586	AL S/T Truck GMT330 2002 Chevrolet Blazer 1GNDT13W02K200907 126092			1	G1N	N- P 20 Che Ma ID525	AM -Car 290 002 evrolet alibu 502M6 7000	6871	Not Records
Platform Program Model Year Make Model VIN Mileage Keyed Igi Ignition Switch P Ignition I I Ignition I I I I I I I I I I I I I I I I I I I	inition System Information Part Number Torque (Ncm) (Ncm) (Nm) (N) n Rake Angle (deg) F C N N ANK (column/floor) Inertial Test	SSSS 2001 Cadilit Sevilli 1166YS49411 115146 Incorrectly R 9.9 10.5.5 >49 N/A -24 14 42 76 Floor	ic e J294796 8 ecorded	GM 2(Oldsr Au 1G3GR64+ 176 Incorrect 8 5 >49	X160)01 mobile rora 1614286406 5831 y Recorded 1.9 1.4 Not Recorded	8 11	G 1G2NV1	N-Car MX130 2001 Pontiac rand Am 2E61M644588 119586	GMT330 2002 Chevrolet Blazer 1GNDT13W02K200907 126092			1	G1N	N- P 20 Che Ma ID525	-Car 290 002 evrolet alibu 502M	6871	Not Recorde
Program Model Year Make Model VIN Milleage Keyed Igi Ignition Switch T System Torque (I Pull-down Force Steering Column CRA Shifter Position (Key Position (coll Key Type Insert Type	Part Number Torque (Ncm) (Ncm) (Ncm) (N) Part Reke Angle (deg) F C N N ANK (column/floor) Inertial Test	SSSS 2001 Cadilit Sevilli 1166YS49411 115146 Incorrectly R 9.9 10.5.5 >49 N/A -24 14 42 76 Floor	ic e J294796 8 ecorded	GM 2(Oldsr Au 1G3GR64+ 176 Incorrect 8 5 >49	X160)01 mobile rora 1614286406 5831 y Recorded 1.9 1.4 Not Recorded	8	G 1G2NV1	GMX130 2001 Pontiac rand Am 2E61M644588	GMT330 2002 Chevrolet Blazer 1GNDT13W02K200907 126092			1	G1N	20 Che Ma ID525	900 002 vrolet alibu 502M	6871	Not Recorde
Model Year Make Model VIN Milleage Keyed Igi Ignition Switch P Ignition Switch P System Torque (I Pull-down Force Steering Column Steering Column CRA Shifter Position (col Key Position (col	Part Number Torque (Ncm) (Ncm) (Ncm) (N) Part Reke Angle (deg) F C N N ANK (column/floor) Inertial Test	2001 Cadilisi Sevill Sevill 1G6KY549411 15148 Incorrectly R 9.9 10.5 3-49 N/A 2-24 14 42 7-6 Floor	ecorded	20 Oldsr Au 1G3GR64H 170 Incorrecti E 9 >49	001 mobile rora 1614286406 6831 y Recorded 0.9 0.4 Not Recorded	8	G 1G2NV1	2001 Pontiac rand Am 2E61M644588 119586	2002 Chevrolet Blazer 1GNDT13W02K200907 126092			1	'G1N	Che Ma ID525	002 vrolet alibu 502M	6871	Not Recorde
Make Model ViN Milleage Keyed Igr Ignition Switch P Ignition Switch P Ignition Switch T System Torque (i Pull-down Fore Steering Column (Re) Key Angle ACC (deg) RUM (RA Shifter Position (coli Key Type Insert Type	Part Number Torque (Ncm) (Ncm) (Ncm) (N) Part Reke Angle (deg) F C N N ANK (column/floor) Inertial Test	Cadilla Sevilii 11G6KY54941 15148 Incorrectly R 9,9 10.5 3-49 N/A -24 14 42 76 Floor	ecorded	Oldsr Au 1G3GR64H 170 Incorrecti 8 9 >49 N	nobile rora 1614286406 5831 y Recorded 5.9	8	G 1G2NV1 y Recorded	Pontiac rand Am 2E61M644588 119586	Chevrolet Blazer 1GNDT13W02K200907 126092			1	G1N	Che Ma ID525	vrolet alibu 502M	6871	Not Recorde
Model VIN Mileage Keyed Igr Ignition Switch P Ig	Part Number Torque (Ncm) (Ncm) (Ncm) (N) Part Reke Angle (deg) F C N N ANK (column/floor) Inertial Test	Sevill 1G6KY5494II 1514E Incorrectty R 9.9 10.5. 349 N/A -24 14 42 76 Floor	e J294796 8 ecorded	Au 1G3GR64F 176 Incorrecti	rora 1614286406 5831 y Recorded 6.9 9.4 Not Recorded	8	G 1G2NV1 y Recorded	rand Am 2E61M644588 119586	Blazer 1GNDT13W02K200907 126092			1	IG1N	Ma ID525	alibu 502M	6871	Not Recorde
VIN Mileage Keyed Igi Ignition Switch P Ignition Switch P System Torque (I Pull-down Force Steering Column Key Angle ACC (deg) Shifter Position (coll Key Position (coll Key Type Insert Type	Part Number Torque (Ncm) (Ncm) (Ncm) (N) Part Reke Angle (deg) F C N N ANK (column/floor) Inertial Test	1G6KY549411 1514E Incorrectly R 9.9 10.5 3-49 N/A -24 14 42 76 Floor	J294796 8 ecorded	1G3GR64F 170 Incorrectif 8 9 >49 N	614286406 6831 y Recorded 8.9 9.4 Not Recorded	8	1G2NV1 y Recorded	2E61M644588 119586	1GNDT13W02K200907 126092			1	1G1N	D525	502M6		Not Recorde
Mileage Keyed Igi Ignition Switch P Ignition Switch T System Torque (P Pull-down Fore Steering Column Key Angle ACC (deg) Shifter Position (Coll Key Position (coll Key Type Insert Type	Part Number Torque (Ncm) (Ncm) (Ncm) (N) Part Reke Angle (deg) F C N N ANK (column/floor) Inertial Test	15148 Incorrectly R 9.9 10.5 3-49 N/A -24 14 42 76 Floor	8 ecorded	176 Incorrect! 8 9 >49 N	y Recorded 8.9 0.4 Not Recorded	8	y Recorded	119586	126092				IGII				Not Recorde
Keyed Igrilion Switch Toger Ignition Force Steering Column Force (deg) Application (collection Ignition Ignitation Ignition Ignition Ignition Ignitation Ignition Ignition Ignit	Part Number Torque (Ncm) (Ncm) (Ncm) (N) Part Reke Angle (deg) F C N N ANK (column/floor) Inertial Test	Incorrectity R 9.9 10.5 >49 N/A -24 14 42 76 Floor	ecorded	Incorrecti 8 9 >49 N	y Recorded 3.9 0.4 Not Recorded	8	y Recorded							14	7000	Ī	
Ignition Switch P Ignition Switch P Ignition Switch T Ignit Switch T Ignition Switch T Ignition Switch T Ignition Switch T Ignition Switch	Part Number Torque (Ncm) (Ncm) (Ncm) (N) Part Reke Angle (deg) F C N N ANK (column/floor) Inertial Test	9.9 10.5 >49 N/AA -24 14 42 76 Floor		>49 N	8.9 9.4 Not Recorded	8		Incorrectly Decorded					_				
Ignition Switch To System Torque (i Pull-down Force Steering Column Key Angle ACC (deg) OFF RUM CRA Shifter Position (col Key Position (col Key Type Insert Type	Torque (Ncm) (Ncm) (Ncm) (Nm) Rake Angle (deg) F C N ANK (column/floor) Ilumn/dash/floor) Inertial Test	9.9 10.5 >49 N/AA -24 14 42 76 Floor		>49 N	8.9 9.4 Not Recorded	8							_	-		_	
System Torque (I Pull-down Force Steering Column OFF Key Angle (deg) RUM CRA Shifter Position (Key Position (column Key Type Insert Type	(Ncm) 6 (N) R Bake Angle (deg) F C N ANK (column/floor) lumn/dash/floor) Inertial Test	10.5 >49 N/A -24 14 42 76 Floor		>49 N	Not Recorded	11			Incorrectly Recorded	-	ľ		ecor	1ea			70 /
Pull-down Force Steering Column OFF Key Angle (deg) RUN CRA Shifter Position (Key Position (column) Key Type Insert Type	e (N) Rake Angle (deg) F C N ANK (column/floor) Ilumn/dash/floor) Inertial Test	>49 N/A -24 14 42 76 Floor		>49 N	Not Recorded			8.7	Not Recorded				10.7			_	
Steering Column Key Angle ACC (deg) RUN CRA Shifter Position (Key Position (column) Key Type Insert Type	n Rake Angle (deg) F C N ANK (column/floor) ilumn/dash/floor) Inertial Test	N/A -24 14 42 76 Floor		N				11.9	25.2				15.0				15.0
Key Angle ACC (deg) RUN CRA Shifter Position (coll Key Type Insert Type	F C N ANK (column/floor) Iumn/dash/floor) Inertial Test	-24 14 42 76 Floor		4	I/A		9.3	Not Recorded	>49				31.4				Not Recorde
Key Angle (deg) RUN CRA Shifter Position (color Key Type Insert Type	C N NANK (column/floor) Ilumn/dash/floor) Inertial Test	14 42 76 Floor					I/A	N/A	39				N/A				N/A
(deg) RUN CRA Shifter Position (Key Position (coli Key Type Insert Type	N ANK (column/floor) Iumn/dash/floor) Inertial Test	42 76 Floor			20		3	3	-12				ecor				Not Recorde
CRA Shifter Position (Key Position (colo Key Type Insert Type	ANK (column/floor) Ilumn/dash/floor) Inertial Test	76 Floor			20		34	34	36		Ν		ecor	ied			Not Recorde
Shifter Position (Key Position (colo Key Type Insert Type	(column/floor) lumn/dash/floor) Inertial Test	Floor			10		52	62	61				60				60
Key Position (colo Key Type Insert Type	lumn/dash/floor) Inertial Test				70		01	101	97		Ν		ecor	bet			Not Recorde
Key Type Insert Type	Inertial Test	Dash			oor		oor	Floor	Column	⊥ ¯			loor			<u> </u> Г	Floor
Key Type Insert Type	Inertial Test			Da	ash	Da	ash	Dash	Column			D)ash				Dash
Insert Type																	
Insert Type	(mm)	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overr	mold 1	Overmold 1	Overmold 1			Over	rmol	11		T	Overmold
	(mm)	None	One-Piece	None	One-Piece		one	One-Piece	None	1			lone			_	One-Piece
Insert Hole Size (N/A	4x4	N/A	4x4		I/A	4x4	N/A	1			N/A			-+	4x4
Key Ring Inside D		25	13	25	13		25	13	25	1			25			-+	13
Number of Key R		25 1	2	25 1	2		25 1	2		+			25 1			+	13
Number of Key R	niiys	1	2	ı	2		1	2	I	+		_	_			\dashv	
Special Configura	ration Notes	N/A	N/A	N/A	Inertial Test Not Performed	N	I/A	N/A	N/A	Stack Pa	nter Trim nel oved	P	Panel Accel	Remove	k Trim oved. ed for o key	. (enter Stack T Panel Remov
Weight (lb)		0.70 0.63 0.55 0.40	0.70	0.70	Not Recorded	0.70	0.63	0.70	0.70	0.70	0.63	0.70	0.0	3 0.	55 0.	.40	0.70
Cubilete @ 10 m	nph	N N/A N/A N/A		N	Not Recorded	N	N/A	N/A	N	N	N/A				/A N.		N
	Chatter & Angled RR)	Y Y N N/A	N	N	Not Recorded	N	N/A	N/A	N N		N/A				/A N.		N
	z MPH/3) @ 55 to 45 mph	N N/A N/A N/A	N/A	N	Not Recorded	N	N/A	N/A	N N		N/A				/A N.		N
	crossing @ 70+ mph	Y Y Y N	N N	N	Not Recorded	N	N/A	N/A	N N	N	N/A	NI NI	NI NI	A N	/A N.	1/4	N N
Pothole #1 @25		N N/A N/A N/A	N/A	N	Not Recorded	IN V		N N	N N	IN V	N/A	IN.	IV	A IV		N	N N
Pothole #2 @ 25	mpn			N		1	N		N N			1					N N
		Y N N N	N	N N	Not Recorded	N	N/A	N/A	N N		N/A	N	IN.	A N	A N	I/A	N N
Panic stop @ 10	mpn	N N/A N/A N/A	N/A		Not Recorded	N	N/A	N/A			N/A			A N		I/A	
Belgian Blocks		N N/A N/A N/A	N/A	N	Not Recorded	N	N/A	N/A	N	N	N/A	N	N/	A N	/A N	I/A	N
	Knee Key Test	_															
Ease		Easy	Easy	Not Possible	Not Possible		ficult	Not Recorded	Not Possible				Recor				Not Recorde
Drivi	ving Position	Abnormal	Abnormal	N/A	N/A	Abno	ormal	Not Recorded	N/A		N	lot R	Recor	bet			Not Recorde
5% Female Knee	ee Distance from Key (mm)	Gas - 127	Gas - 127	Gas - 190	Gas - 190	Gas	- 133	Not Recorded	Gas - 177		N	lot R	Recor	ded			Not Recorde
Knee	ee Distance from Fob (mm)	Gas - 50	Gas - 55	Gas - 101	Gas - 114	Not Re	ecorded	Not Recorded	Gas - 101		N	lot R	Recor	ded			Not Recorde
Ease		Easy	Easy	Medium	Not Possible		asy	Not Recorded	Easy	1			Recor				Not Recorde
Drivi	ving Position	Abnormal	Abnormal	Abnormal	N/A		ormal	Not Recorded	Abnormal	1			ecor				Not Recorde
								† · · · · · · · · · · · · · · · · · · ·	Gas - 185	1			_			_	
50% Male Knee	ee Distance from Key (mm)	Gas - 150	Gas - 150	Gas - 200	Gas - 200	Gas	- 150	Not Recorded	Brake - 158 Relaxed - 185		١	lot R	Recor	ded			Not Recorde
Knee	ee Distance from Fob (mm)	Gas - 105	Gas - 110	Gas - 125	Gas - 145	Not Re	ecorded	Not Recorded	Gas - 105 Brake - 95 Relaxed - 130		Ν	lot R	Recor	ded			Not Recorde
Ease		Easy	Not Recorded	Difficult	Not Recorded	Ea	asy	Not Recorded	Medium				Recor			T	Not Recorde
Drivi	ving Position	Abnormal	Not Recorded	Abnormal	Not Recorded	Abno	ormal	Not Recorded	Abnormal		N	lot R	Recor	ded			Not Recorde
95% Male Knee	ee Distance from Key (mm)	Gas - 58	Not Recorded	Gas - 93	Not Recorded	Gas	s - 50	Not Recorded	Gas - 90		N	lot R	Recor	ded			Not Recorde
Knee	ee Distance from Fob (mm)	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Re	ecorded	Not Recorded	Fob - 45		N	lot R	Recor	ded			Not Recorde
	Hang Tag Test																
Condition Possib	ble? (Yes/No)	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Re	ecorded	Not Recorded	Not Recorded		N	lot R	Recor	ded		Ν	lot Recorded
	Comments	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Re	ecorded	Not Recorded	Not Recorded		Ν	lot R	Recor	ded			Not Records

Case 1:14-md-02543-JMF Document 5856-6 Filed 07/20/18 Page 15 of 34 Appendix D: Results Summary

	Test Vehicle Information																	
Vehicle Wo							F	ιN				AO	AP			F	AQ.	AR
Platform							N-	Car				H-Car	N-Car			K-	Car	C/K Truck
Program								90				MX310	GMX13	0			55	GMT800
Model Year	•						20	002				2002	2002			20	003	2003
Make							Che	/rolet			F	ontiac	Pontiac			Cad	dillac	Chevrolet
Model								libu				nneville	Grand A				ville	Tahoe
VIN						1G	1NE52J:	32M684895			1G2HX5	4K224146097	1G2NW52E12N				23U253912	1GNEK13ZX3J114853
Mileage							87	887			2	237373	145484			125	5960	53011
Kev	ed Ignition System Information																	
	itch Part Number				Not Re	ecorded				Not Recorded	Incorrectly Recorded	Incorrectly Recorded	22599340	22599340	Incorrec	tly Recorded	Incorrectly Recorded	Incorrectly Recorded
	itch Torque (Ncm)					0.6				9.6	9.9	9.9	11.5	11.5		10.1	10.1	Not Recorded
System Tor						2.2				12.2	10.1	10.1	14.9	14.9		11.0	11.0	26.8
Pull-down F	orce (N)					1.9				Not Recorded	28.9	Not Recorded	46.8	Not Recorded		26.9	Not Recorded	>49
	lumn Rake Angle (deg)					I/A				N/A	N/A	N/A	N/A	N/A		N/A	N/A	36
, i	OFF					ecorded				Not Recorded	0	0	-1	-1		-23	-23	-9
Key Angle	ACC					ecorded				Not Recorded	30	30	33	33		8	8	29
(deg)	RUN				6	50				60	60	60	60	60		40	40	53
. 0,	CRANK				Not Re	ecorded				Not Recorded	90	90	100	100		74	74	92
Shifter Posi	tion (column/floor)				Flo	oor				Floor	Floor	Floor	Floor	Floor		Floor	Floor	Column
	n (column/dash/floor)					ash				Dash	Dash	Dash	Dash	Dash		Dash	Dash	Column
	Inertial Test																	
Кеу Туре			Overr	nold 1			Overn	nold 1		Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Ove	rmold 1	Overmold 1	Overmold 1
Insert Type				one		T	No			One-Piece	None	One-Piece	None	One-Piece		Vone	One-Piece	None
Insert Hole				/A		†	N/			4x4	N/A	4x4	N/A	4x4		N/A	4x4	N/A
	side Diameter (mm)			25		†	2			25	25	13	25	13		25	13	25
Number of				1						1	1	2	1	2		1	2	1
						1	'					-	<u> </u>	-			-	·
Special Con	figuration Notes	Center	Stack Trir	n Panel F	Removed	Center St	tack Trir	n Panel Installe	ed	Center Stack Trim Panel Installed	N/A	Inertial Test Not Performed	N/A	N/A		N/A	N/A	N/A
Weight (lb)		0.70	0.63	0.55	0.40	0.70	0.0	53 0.55		0.70	0.70	Not Recorded	0.70 0.63 0.55 0.40	0.70	0.70	0.63	0.70	0.70
Cubilete @		0.70	N/A	N/A		0.70	N/			0.70	0.70 N	Not Recorded	N N/A N/A N/A		0.70	N/A	0.70 N/A	0.70 N
	ding Chatter & Angled RR)	N	N/A	N/A		V	14/	I N/A		N N	N N	Not Recorded	N N/A N/A N/A		N	N/A	N/A	N N
	er (Hz MPH/3) @ 55 to 45 mph	V	N/A	IN/ A	N N	v		/ N		N N	N N	Not Recorded	Y Y N N/A		N	N/A	N/A	N N
	d RR crossing @ 70+ mph	V	N	NI/A	N/A	v	+	' N	_	N N	N N	Not Recorded	N N/A N/A N/A		V	N/A	N N	N N
Pothole #1			V	N/A	N N	V		' N		N N	N N	Not Recorded	Y Y Y N	N N	N	N/A	N/A	N N
Pothole #2		V	V	N		N	N.			N N	N N	Not Recorded	N N/A N/A N/A		N	N/A	N/A	N N
Panic stop		N	N/A	N/A		N	N/			N N	N N	Not Recorded	N N/A N/A N/A		N	N/A	N/A	N N
Belgian Blo		V	IN/A	N N	N/A	N	N/			N N	N N	Not Recorded	N N/A N/A N/A		N	N/A	N/A	N N
Deigian bio	Knee Key Test			- "	IVA	- 14	14/	A 10/A			.,	Not recorded	IVA IVA IVA	IN/A	- 14	10/75	IVA	N .
	Face		Not Do	corded			Not Po	eciblo		Not Possible	Difficult	Not Possible	Difficult	Not Recorded	n	ifficult	Difficult	Not Possible
	Driving Position			corded			N/		-	N/A	Abnormal	N/A	Abnormal	Not Recorded		normal	Abnormal	N/A
			NOT NO	corueu			14/	^		N/A	Abiloillai	IW/A	ADITOTTIAL	Not Recorded	AL	HOIHIAI	Abiloilliai	IVA
5% Female	knee Distance from Key (mm)			corded			Gas -			Gas - 185	Gas - 120	Gas - 120	Gas - 139	Not Recorded		ıs - 146	Gas - 146	Gas - 215
	Knee Distance from Fob (mm)			corded			Gas -			Gas - 120	Gas - 82	Gas - 88	Not Recorded	Not Recorded		as - 88	Gas - 76	Not Recorded
	Ease			ossible			Not Po			Not Possible	Medium	Not Possible	Easy	Not Recorded		Easy	Easy	Not Recorded
	Driving Position		N	/A			N/	'A	T	N/A	Abnormal	N/A	Abnormal	Not Recorded	Ab	normal	Abnormal	Not Recorded
50% Male	Knee Distance from Key (mm)		Not Re	ecorded			Gas -	200		Gas - 195	Gas - 180	Gas - 180	Gas - 135	Not Recorded	Ga	ıs - 155	Gas - 155	Not Recorded
	Knee Distance from Fob (mm)		Not Re	ecorded			Gas -	120		Gas - 140	Gas - 130	Gas - 120	Not Recorded	Not Recorded	G	as - 90	Gas - 98	Not Recorded
	Ease			corded			Not Re			Not Recorded	Easy	Not Recorded	Easy	Not Recorded		Easy	Not Recorded	Not Possible
	Driving Position		Not Re	corded			Not Re	corded		Not Recorded	Abnormal	Not Recorded	Abnormal	Not Recorded	Ab	normal	Not Recorded	N/A
95% Male	Knee Distance from Key (mm)		Not Re	ecorded			Gas -	110		Gas - 125 Brake - 100 Relaxed - 145	Gas - 57	Not Recorded	Gas - 85	Not Recorded	G	as - 65	Not Recorded	Gas - 125
	Knee Distance from Fob (mm)		Not Re	ecorded			Gas	- 30		Gas - 60 Brake - 45 Relaxed - 80	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not	Recorded	Not Recorded	Not Recorded
	Hang Tag Test																	
Condition F	Possible? (Yes/No)		Not Re	corded			Not Re	corded		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not	Recorded	Not Recorded	Not Recorded
	Comments			ecorded			Not Re			Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded		Recorded	Not Recorded	Not Recorded

	Test Vehicle Information																
Vehicle Wor		AS			A	Г		AU		AV		AW			AX		AY
Platform	THE CONTRACT OF THE CONTRACT O	W-Ca			N-C			H-Car		-Car		K-Car			igma I		/-Car
Program		GMX2			GMX			GMX310		2000		GMX270			MT265		1X210
Model Year		2003	3		20	03		2003	2	004		2004		2	2004	2	2004
Make		Chevro	let		Oldsm	obile		Pontiac	В	uick		Cadillac		Ca	adillac	Che	evrolet
Model		Impal	la		Ale	го		Bonneville	R	egal		Deville			SRX	Im	npala
VIN		2G1WF52E13	39356068		1G3NL52E1	3C280680		1G2HX54K334129066	2G4WB52	K641273076	1G6	KFS7934U25008	3	1GYEE63	7140187137	2G1WF52	E549398468
Mileage		15836	53		277	723		178959	Not R	ecorded		90611		16	54466	91	8838
Keye	ed Ignition System Information																
	tch Part Number	22670487	22670487		Not Recorded		Not Recorded	25721650		ly Recorded	Not Reco	rded	Not Recorded	Incorrectly Recorded	Incorrectly Recorded	22670487	22670487
	tch Torque (Ncm)	8.9	8.9		9.4		9.4	9.2		7.6	11.8		11.8	9.6	9.6	10.4	10.4
System Toro		13.3	13.3		11.2		11.2	10.6		9.8	15.0		15.0	15.6	15.6	11.2	11.2
Pull-down F		35.2	Not Recorded		40.3		Not Recorded	20.9		49	>49		Not Recorded	21.0	Not Recorded	43.9	Not Recorded
Steering Col	lumn Rake Angle (deg)	N/A	N/A		N/A		N/A	N/A		40	30		30	35	35	N/A	N/A
V A1 -	OFF	0	0		Not Recorded		Not Recorded	0		47	Not Reco		Not Recorded	-15	-15	0	0
Key Angle	ACC	30	30		Not Recorded		Not Recorded	30		26	Not Reco	rded	Not Recorded	33	33	30	30
(deg)	RUN CRANK	60	60		60 Nat Danadad		60	60		64 ecorded	51 N=+ P===		51	60 100	60 100	60	60 90
Shiftor Doci	tion (column/floor)	90 Floor	90 Floor		Not Recorded Floor		Not Recorded Floor	90 Floor		loor	Not Recor		Not Recorded Floor	Floor	Floor	90 Floor	Floor
	(column/dash/floor)	Dash	Dash		Dash		Dash	Dash		lumn	Colum		Column	Column	Column	Dash	Dash
Key Fusition	Inertial Test	Dasii	Dasii		DdSII		Dasii	Dasii	CO	iuiiiii	Coluin	11	Column	Column	Column	Dasii	DdSII
Key Type	iliertiai rest	Overmold 1	Overmold 1		Overmold 1		Overmold 1	Overmold 1	Dog	sskey	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1
Insert Type		None	One-Piece	 	None		One-Piece	None Vermoid I		one	None Vermoid i	None None	One-Piece	None	Overmoid i One-Piece	None None	One-Piece
Insert Hole	Size (mm)	N/A	4x4		N/A		4x4	N/A		I/A	N/A	N/A	4x4	N/A	4x4	N/A	4x4
	ide Diameter (mm)	25	13		25		13	25		25	25	25	13	25	13	25	13
Number of		1	2		1		2	1		1	1	1	2	1	2	1	2
rumber er	noj ningo						-						-		-		-
Special Con	figuration Notes	N/A	N/A		N/A		N/A	N/A	١	I/A	Solid Mass Weight	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lb)		0.70 0.63 0.55 0.40	0.70	0.70	0.63 0.55	0.40	0.70	0.70	1.40	0.70	0.70	0.70	0.70	0.70 0.63 0.55 0.40	0.70	0.70 0.63 0.55	0.70
Cubilete @		N N/A N/A N/A		N	N/A N/A	N/A	N	N	N	N	N	N	N	N N/A N/A N/A	N/A	N N/A N/A	Not Recorded
	ding Chatter & Angled RR)	Y Y Y N	N	N	N/A N/A	N/A	N	N	N	N	N	N	N	Y Y N N/A	N	N N/A N/A	Not Recorded
	r (Hz MPH/3) @ 55 to 45 mph	Y Y Y N	N	N	N/A N/A	N/A	N	N	N	N	N	N	N	Y N N/A N/A	N	N N/A N/A	Not Recorded
R&H Angled	I RR crossing @ 70+ mph	Y Y Y N	N	N	N/A N/A	N/A	N	N	N	N	N	N	N	Y N N/A N/A	N	N N/A N/A	Not Recorded
Pothole #1	@25 mph	N N/A N/A N/A	Not Recorded	Υ	Y	N	N	N	N	N	N	N	N	Y Y Y N	N	Y Y N	N
Pothole #2		N N/A N/A N/A		N	N/A N/A	N/A	N	N	N	N	N	N	N	Y Y Y N	N	N N/A N/A	Not Recorded
Panic stop @		N N/A N/A N/A	Not Recorded	N	N/A N/A	N/A	N	N	N	N	Υ	N	N	N N/A N/A N/A	N/A	N N/A N/A	Not Recorded
Belgian Bloo		Y Y Y N	N	N	N/A N/A	N/A	N	N	N	N	N	N	N	N N/A N/A N/A	N/A	Y Y N	N
	Knee Key Test																
	Ease	Difficult	Not Possible		Medium		Medium	Not Possible		Possible	Not Recorded	Not Possible	Not Possible	Difficult	Difficult	Difficult	Difficult
	Driving Position	Abnormal	N/A		Abnormal		Abnormal	N/A	l l	I/A	Not Recorded	N/A	N/A	Abnormal	Abnormal	Abnormal	Abnormal
5% Female	Knee Distance from Key (mm)	Gas - 127	Gas - 127		Gas - 150		Gas - 165	Gas - 133	Gas	- 200	Not Recorded	Gas - 200	Gas - 183	Gas -115	Gas - 114	Gas - 127	Gas - 146
	Knee Distance from Fob (mm)	Gas - 90	Gas - 101		Gas - 95		Gas - 100	Not Recorded	Not R	ecorded	Not Recorded	Gas - 125	Gas - 120	Gas - 25	Gas - 50	Gas - 50	Gas - 69
	Ease	Medium	Medium		Not Possible		Not Possible	Difficult		Possible	Not Recorded	Not Possible	Not Possible	Easy	Easy	Easy	Easy
	Driving Position	Abnormal	Abnormal		N/A		N/A	Abnormal		I/A	Not Recorded	N/A	N/A	Abnormal	Abnormal	Abnormal	Abnormal
50% Male	Knee Distance from Key (mm)	Gas - 200	Gas - 200		Gas - 205		Gas - 205	Gas - 70	Gas	- 210	Not Recorded	Gas - 215	Gas - 215	Gas - 140	Gas - 140	Gas - 185	Gas - 185
	Knee Distance from Fob (mm)	Gas - 165	Gas - 150		Gas - 125		Gas - 150	Not Recorded	Not R	ecorded	Not Recorded	Gas - 140	Gas - 155	Gas - 50	Gas - 75	Gas - 130	Gas - 130
	Ease	Easy	Not Recorded	1	Not Possible		Not Possible	Easy	Not D	Possible	Not Recorded	Not Possible	Not Possible	Not Recorded	Not Recorded	Easy	Not Recorded
	Driving Position	Abnormal	Not Recorded		N/A		N/A	Abnormal		I/A	Not Recorded	N/A	N/A	Not Recorded	Not Recorded	Abnormal	Not Recorded
95% Male	Knee Distance from Key (mm)	Gas - 50	Not Recorded		Gas - 110		Gas - 100	Gas - 82		s - 87	Not Recorded	Gas - 145	Gas - 160	Not Recorded	Not Recorded	Gas - 40	Not Recorded
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded		Gas - 30		Gas - 30	Not Recorded	Not R	ecorded	Not Recorded	Gas - 80	Gas - 98	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Hang Tag Test						1										
Condition P	ossible? (Yes/No)	Not Recorded	Not Recorded		Not Recorded		Not Recorded	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Comments	Not Recorded	Not Recorded		Not Recorded		Not Recorded	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded

	Test Vehicle Information											
Vehicle Wor			AZ					BA				BB
Platform		U-	Body					W-Car			N	I-Car
Program			MT250					GMX367				P90
Model Year			1004					2004				2005
Make			ontiac					Pontiac				evrolet
Model			ztek					Grand Prix				lalibu
VIN			E64S535546					2G2WP522X41276749				F85M142436
Mileage			lecorded					145744				50882
Villeage Kove	ed Ignition System Information	NOTE	ecorded					143744			10	00002
	tch Part Number	12450251	12450251					10310896			224	88239
		Not Recorded	Not Recorded	8.	4		0.7		0.7	0.7	14.1	
	tch Torque (Ncm)	24.5		10			8.6 10.5	8.6 12.7	8.6 13.1	8.6 13.1		14.1 16.1
System Toro		24.5 >49	24.5	29			29.4				16.1	
Pull-down F			Not Recorded	N/				Not Recorded	Not Recorded	Not Recorded	32.1	Not Recorded
Steering Co.	lumn Rake Angle (deg)	36	36				N/A	N/A	N/A	N/A	N/A	N/A
	OFF	-15	-15	3			3	3	3	3	1	1
Key Angle	ACC	26	26	2			26	26	26	26	36	36
(deg)	RUN	65	65	5			55	55	55	55	60	60
	CRANK	97	97	9			91	91	91	91	96	96
	tion (column/floor)	Floor	Floor	Flo			Floor	Floor	Floor	Floor	Floor	Floor
Key Position	(column/dash/floor)	Column	Column	Da	ısh		Dash	Dash	Dash	Dash	Dash	Dash
	Inertial Test											
Key Type		Overmold 1	Overmold 1	Overn	nold 1		Overmold 1	Overmold 1 - New Cut	Overmold 1 - New Cut	Overmold 1 - New Cut	Overmold 1	Overmold 1
Insert Type		None	One-Piece	No			One-Piece	Clamshell	Two-Piece	None	None	One-Piece
Insert Hole	Size (mm)	N/A	4x4	N/			4x4	4x6	4x6	N/A	N/A	4x4
Koy Ding Inc	side Diameter (mm)	25	13	2								
Number of	Kov Diego						13	13	13	25	25	13
Number of	key kings	1	2	1	l .		2	2	2	1	1	2
Special Con	figuration Notes	N/A	Inertial Test Not Performed	N.	/A		N/A	N/A	N/A	N/A	N/A	N/A
Weight (lb)		0.70	0.70	0.70 0.63 0.55	0.40	0.30	0.70	0.70	0.70	0.70	0.70	Not Recorded
Cubilete @	10 mph	N	Not Recorded	N N/A N/A	N/A	N/A	Not Recorded	N	N	N	N	Not Recorded
	ding Chatter & Angled RR)	N	Not Recorded	N N/A N/A	N/A	N/A	N	N	N	Not Recorded	N	Not Recorded
	r (Hz MPH/3) @ 55 to 45 mph	N	Not Recorded	N N/A N/A	N/A	N/A	N	N	N	Not Recorded	N	Not Recorded
	I RR crossing @ 70+ mph	N N	Not Recorded	V V V	1V//A	N	N	N	N N	Not Recorded	N	Not Recorded
Pothole #1		N N		Y N N/A	N/A	N/A	N	N N	N N	Not Recorded	N	
			Not Recorded							IN		Not Recorded
Pothole #2		N	Not Recorded	Y Y N	N/A	N/A	N	N	N	N	N	Not Recorded
Panic stop @		N	Not Recorded	N N/A N/A	N/A	N/A	Not Recorded	N	N	Not Recorded	N	Not Recorded
Belgian Bloo		N	Not Recorded	YYY	N	N/A	N	N	N	N	N	Not Recorded
	Knee Key Test											
	Ease	Difficult	Difficult	Not Possible	Eas	sy	Not Possible	Easy	Not Recorded	Not Recorded	Not Possible	Not Possible
	Driving Position	Abnormal	Abnormal	N/A	Abno	rmal	N/A	Abnormal	Not Recorded	Not Recorded	N/A	N/A
5% Female	Knee Distance from Key (mm)	Gas - 209	Gas - 209	Gas - 165	Gas - Brake Relaxed	- 140	Gas - 165	Gas - 160 Brake - 135 Relaxed - 110	Not Recorded	Not Recorded	Gas - 158	Gas - 158
	Knee Distance from Fob (mm)	Gas - 139	Gas - 152	Gas - 95	Not Rec		Gas - 95	Not Recorded	Not Recorded	Not Recorded	Gas - 95	Gas - 101
	Ease	Not Possible	Not Recorded	Easy	Med		Easy	Medium	Medium	Not Recorded	Not Possible	Not Possible
	Driving Position	N/A	Not Recorded	Abnormal	Abno		Abnormal	Abnormal	Abnormal	Not Recorded	N/A	N/A
	g . 0.311011	Gas - 220			Gas -		, io. ioimai	Gas - 195	Gas - 200		.4/5	.4/5
	Knee Distance from Key (mm)	Brake - 200	Not Recorded	Gas - 165	Brake -		Gas - 165	Brake - 195	Brake - 200	Not Recorded	Gas - 125	Gas - 125
50% Male	Mice Distance from Key (IIIII)	Relaxed - 225	INDI NECOTUEU	Gu3 - 103	Relaxed		Gas - 100	Relaxed - 170	Relaxed - 175	NOT RECORDED	Gas - 120	Gas - 120
	Knee Distance from Fob (mm)	Gas - 165 Brake - 150 Relaxed - 210	Not Recorded	Gas - 90	Not Rec		Gas - 95	Not Recorded	Not Recorded	Not Recorded	Gas - 40	Gas - 45
	Ease	Medium	Not Recorded	Easy	Eas	SV	Not Recorded	Easy	Not Recorded	Not Recorded	Medium	Not Recorded
	Driving Position	Abnormal	Not Recorded	Abnormal	Abno		Not Recorded	Abnormal	Not Recorded	Not Recorded	Abnormal	Not Recorded
	Driving i Osition	Abiloilidi	NOT NECOTACA	AUTOTTIAL	Gas -		1401 Necolded	Gas - 78	Not recorded	Not recorded	Abiloilidi	I TOT RECOIDED
95% Male	Knee Distance from Key (mm)	Gas - 110	Not Recorded	Gas - 61	Brake Relaxe	- 99	Not Recorded	Brake - 80 Relaxed - 60	Not Recorded	Not Recorded	Gas - 43	Not Recorded
	Knee Distance from Fob (mm)	Gas - 55	Not Recorded	Not Recorded	Not Rec	corded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Hang Tag Test											
Condition P	ossible? (Yes/No)	Not Recorded	Not Recorded	N	lo		Not Recorded	No	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Comments	Not Recorded	Not Recorded	Not Re	corded		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded

	Test Vehicle Information										
Vehicle Wor				BC				BD	BE	1	BF
Platform				N-Car			U	J-Body	Epsilon I	C/K	Truck
Program				GMX130			G	MT257	GMX380	GM	T800
Model Year				2005				2006	2006	20	006
Make				Pontiac				Buick	Chevrolet		/rolet
Model				Grand Am				ndezvous	Malibu		o 1500LD
VIN			1G	2NE52E65M141480				3L06S629271	1G1ZT51896F287904		26Z180833
Mileage				117293				58817	108474		617
Keve	ed Ignition System Information			117270			·	50017	100171	- 10	017
	itch Part Number			22688239			12	450251	Incorrectly Recorded	Incorrect!	y Recorded
		13.4	13.4	13.4	13.4	13.4	Not Recorded		13.7	Not Recorded	Not Recorded
	itch Torque (Ncm)										
System Toro		15.3	17.4	15.3	15.3	18.8	23.3	23.3	15.6	24.2	24.2
Pull-down F		32.1	Not Recorded	Not Recorded	Not Recorded	Not Recorded	26.0	Not Recorded	39.0	>49	Not Recorded
Steering Col	lumn Rake Angle (deg)	N/A	N/A	N/A	N/A	N/A	35	35	N/A	37	37
	OFF	0	0	0	0	0	-10	-10	-4	-6	-6
Key Angle	ACC	30	30	30	30	30	38	38	26	29	29
(deg)	RUN	60	60	60	60	60	64	64	60	54	54
-	CRANK	98	98	98	98	98	103	103	97	95	95
Shifter Posit	tion (column/floor)	Floor	Floor	Floor	Floor	Floor	Column	Column	Floor	Column	Column
	n (column/dash/floor)	Dash	Dash	Dash	Dash	Dash	Column	Column	Dash	Column	Column
	Inertial Test	Dusii	Dusti	Dusi.	Dasii	Dusii	oo.a	Joidini	54311	00.0	- Joinnai
Key Type	mertiai rest	Overmold 1	Overmold 1 New Cost	Overmold 1	Overmold 1	Overmold 1 New Cot	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1
Key Type		Overmold 1	Overmold 1 - New Cut	Overmold 1		Overmold 1 - New Cut					
Insert Type	Cine (man)	None	None	Clamshell	One-Piece	Two-Piece	None	One-Piece	None	None	One-Piece
Insert Hole		N/A	N/A	4x6	4x4	4x6	N/A	4x4	N/A	N/A	4x4
	side Diameter (mm)	25	25	13	13	13	25	13	25	25	13
Number of	Key Rings	1	1	2	2	2	1	2	1	1	2
Special Con	figuration Notes	Incorrect Tire Pressures	Correct Tire Pressures	N/A	Inertial Test Not Performed	N/A	N/A	Inertial Test Not Performed	N/A	N/A	Inertial Test No Performed
Weight (lb)		0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Cubilete @	10 mph	N	N N	N	Not Recorded	N	N	Not Recorded	N.	N N	Not Recorded
	ding Chatter & Angled RR)	N	N N	N	Not Recorded	N	N	Not Recorded	N N	N N	Not Recorded
	er (Hz MPH/3) @ 55 to 45 mph						N N		N N		
		N	N	N	Not Recorded	N		Not Recorded		N	Not Recorded
	RR crossing @ 70+ mph	N	N	N	Not Recorded	N	N	Not Recorded	N	N	Not Recorded
Pothole #1		N	N	N	Not Recorded	N	N	Not Recorded	N	N	Not Recorded
Pothole #2		N	N	N	Not Recorded	N	N	Not Recorded	N	N	Not Recorded
Panic stop @		N	N	N	Not Recorded	N	N	Not Recorded	N	N	Not Recorded
Belgian Bloo	cks	N	N	N	Not Recorded	N	N	Not Recorded	N	N	Not Recorded
	Knee Key Test										
	Ease	Difficult	Easy	Easy	Difficult	Not Recorded	Not Posible	Not Possible	Difficult	Not Possible	Not Possible
	Driving Position	Abnormal	Abnormal	Abnormal	Abnormal	Not Recorded	N/A	N/A	Abnormal	N/A	N/A
	3		Gas - 120	Gas - 120						_	
5% Female	Knee Distance from Key (mm)	Gas - 139	Brake - 95 Relaxed - 90	Brake - 95 Relaxed - 90	Gas - 139	Not Recorded	Gas - 209	Gas - 209	Gas - 177	Gas - 234	Gas - 234
	Knee Distance from Fob (mm)	Gas - 63	Not Recorded	Not Recorded	Gas - 69	Not Recorded	Gas - 139	Gas - 146	Not Recorded	Gas - 165	Gas - 177
	Ease	Not Recorded	Easy	Easy	Not Recorded	Not Recorded	Not Possible	Not Recorded	Medium	Medium	Not Recorded
	Driving Position	Not Recorded	Abnormal	Abnormal	Not Recorded	Not Recorded	N/A	Not Recorded	Abnormal	Abnormal	Not Recorded
	5g i ostion	INOT RECOIDED	Gas - 165	Gas - 162	NOT NOUNTED	NOT NOUNTED	Gas - 230	or necolucu	AMIUIIIIai	ANTIOTHIA	NOT NECOTABLE
50% Male	Knee Distance from Key (mm)	Not Recorded	Brake - 170 Relaxed - 190	Brake - 165 Relaxed - 170	Not Recorded	Not Recorded	Brake - 195 Relaxed - 212	Not Recorded	Gas - 135	Gas - 205	Not Recorded
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 175 Brake - 145 Relaxed - 165	Not Recorded	Not Recorded	Gas - 150	Not Recorded
	Fase	Easy	Easy	Easy	Not Recorded	Not Recorded	Difficult	Not Recorded	Medium	Not Possible	Not Recorded
	Driving Position	Abnormal	Abnormal	Abnormal	Not Recorded	Not Recorded	Anbormal	Not Recorded	Abnormal	N/A	Not Recorded
	Driving FOSITION	ADHUHHAI			Not recorded	NOT Recorded	MINUUNIN	NOT RECOIDED	ADHUITIdi	IV/A	NOT RECORDED
95% Male	Knee Distance from Key (mm)	Gas - 48	Gas - 40 Brake - 40 Relaxed - 70	Gas - 15 Brake - 20 Relaxed - 65	Not Recorded	Not Recorded	Gas - 100	Not Recorded	Gas - 95	Gas - 142	Not Recorded
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 55	Not Recorded	Not Recorded	Gas - 105	Not Recorded
	Hang Tag Test									+	
Condition D	ossible? (Yes/No)	No	Not Recorded	No	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Decord-
	Comments	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded

	Test Vehicle Information															
Vehicle Wo	rkbook				BG				BH		BI	BJ	BK	BL	В	BM
Platform					Sigma I				K-Ca		Sigma I	S/T Truck	C/K Truck	S/T Truck		(A-Car)
Program					SMX320				GMX2		GMT265	GMT355	GMT800	GMT360		X002
Model Year					2007				200		2007	2007	2007	2007		007
Make				(Cadillac				Cadill		Cadillac	GMC	Chevrolet	Chevrolet		turn
Model					CTS				DTS	5	SRX	Canyon	Silverado 2500HD	Trailblazer		on
VIN					77070147	512			1G6KD57Y97		1GYEE637X70179963	1GTCS149878230144	1GCHK23D07F193362	1GNDT13S972189782		347Z137156
Mileage					147497				8675	i5	125642	121517	66371	164772	128	3576
	ed Ignition System Information															
	tch Part Number				Recorded				Incorrectly F		15261531	Incorrectly Recorded	Incorrectly Recorded	Incorrectly Recorded		92423
	tch Torque (Ncm)		No	ot Recorded	i			Not Recorded	11.1	11.1	29.5	Not Recorded	Not Recorded	Not Recorded		7.1
System Toro				15.5				15.5	16.8	16.8	32.2	13.6	25.5	21.0		9.7
Pull-down F				25.4				Not Recorded	>49	Not Recorded	>49	>49	>49	>49		9.6
Steering Co	lumn Rake Angle (deg)			37				37	35	35	37	32	32	36		21
V AI-	OFF			ot Recorded				Not Recorded	Not Recorded	Not Recorded	-12	-62	-20	-10		-8
Key Angle	ACC		No	ot Recorded	1			Not Recorded	Not Recorded	Not Recorded	31	-25	20	30		33
(deg)	RUN			56				56	60	60	56	0	50	56		56
	CRANK		No	ot Recorded	i			Not Recorded	Not Recorded	Not Recorded	88	Not Recorded	77	90		01
	tion (column/floor)			Floor				Floor	Column	Column	Floor	Column	Column	Floor		oor
Key Position	(column/dash/floor)			Column				Column	Col	umn						
	Inertial Test															
Key Type		Overmold 1			Overmold	1		Overmold 1		mold 1						
Insert Type		None			None			One-Piece	None	One-Piece	None	None	None	None		one
Insert Hole		N/A			N/A			4x4	N/A	4x4	N/A	N/A	N/A	N/A		I/A
	ide Diameter (mm)	25			25			13	25	13	25	25	25	25		25
Number of	Key Rings	1			1			2	1	2	1	1	1	1		1
Special Con	figuration Notes	Solid Mass Weight			N/A			N/A	N	I/A						
Weight (lb)		0.70	0.70	0.63	0.55	0.40	0.30	0.70	0.70 0.63 0.55 0.40	0.70	0.70	0.70	0.70	0.70	0.70	0.63
Cubilete @	10 mph	V V	N.	N/A	N/A	N/A	N/A	N N	N N/A N/A N/A		N	N	N N	N N	N.	N/A
	ling Chatter & Angled RR)	Not Recorded	Y	N	N/A	N/A	N/A	N	N N/A N/A N/A		N	N N	N N	N	N	N/A
	r (Hz MPH/3) @ 55 to 45 mph	Not Recorded	Y	N	N/A	N/A	N/A	N	N N/A N/A N/A		N	N	N	N	N	N/A
	RR crossing @ 70+ mph	Not Recorded	· V	N	N/A	N/A	N/A	N	N N/A N/A N/A		N N	N	N N	N	N	N/A
Pothole #1		Not Recorded	Ÿ	ν	Y	N	N/A	N	N N/A N/A N/A		N	N N	N N	N	N	N/A
Pothole #2		Not Recorded	· V	·	· V	Y	N	N	Y Y Y N	N	N N	N	N N	N	N	N/A
Panic stop		Not Recorded	N	N/A	N/A	N/A	N/A	N	N N/A N/A N/A	N	N	N N	N N	N	N	N/A
Belgian Bloo		Not Recorded	N	N/A	N/A	N/A	N/A	N	N N/A N/A N/A	N	N	N N	N N	N	Y	N
g	Knee Key Test					1										
	Fase	Not Recorded	1		Not Record	ed		Not Recorded	Not Possible	Not Possible	Not Possible	Difficult	Not Possible	Not Possible	Not Re	ecorded
	Driving Position	Not Recorded			Not Record			Not Recorded	N/A	N/A	N/A	Abnormal	N/A	N/A		ecorded
5% Female	Knee Distance from Key (mm)	Not Recorded			Not Record			Not Recorded	Gas - 200	Gas - 200	Gas - 133	Gas - 139	Gas - 196	Gas - 196		ecorded
	Knee Distance from Fob (mm)	Not Recorded			Not Record	ed		Not Recorded	Gas - 135	Gas - 135	Not Recorded	Not Recorded	Gas - 133	Not Recorded	Not Re	ecorded
	Fase	Not Recorded			Not Record			Not Recorded	Not Possible	Not Possible	Medium	Fasy	Medium	Not Recorded		ecorded
	Driving Position	Not Recorded	1		Not Record			Not Recorded	N/A	N/A	Abnormal	Normal	Abnormal	Not Recorded		ecorded
50% Male	Knee Distance from Key (mm)	Not Recorded			Not Record			Not Recorded	Gas - 220	Gas - 215	Gas - 130	Gas - 80	Gas - 185	Not Recorded		ecorded
	Knee Distance from Fob (mm)	Not Recorded		ı	Not Record	ed		Not Recorded	Gas - 150	Gas - 150	Not Recorded	Not Recorded	Gas - 115	Not Recorded	Not Re	ecorded
	Ease	Not Recorded		1	Not Record	ed		Not Recorded	Not Possible	Not Possible	Not Recorded	Easy	Difficult	Not Possible		ecorded
	Driving Position	Not Recorded		-	Not Record	ed		Not Recorded	N/A	Gas - 150	Not Recorded	Normal	Abnormal	N/A	Not Re	ecorded
95% Male	Knee Distance from Key (mm)	Not Recorded		1	Not Record	ed		Not Recorded	Gas - 150	Gas - 70	Gas - 77	Gas - 30	Gas - 130	Gas - 100	Not Re	ecorded
	Knee Distance from Fob (mm)	Not Recorded		ı	Not Record	ed		Not Recorded	Gas - 80	Not Recorded	Not Re	ecorded				
	Hang Tag Test															
Condition P	ossible? (Yes/No) Comments	Not Recorded Not Recorded			Not Record			Not Recorded Not Recorded		ecorded						

	Test Vehicle Information														
Vehicle Wor		BN		30		BP	BQ			BR		BS	BT		BU
Platform		Theta	S/T	Truck	W	/-Car	Delta I (A-Car)			Sigma II		Delta I (A-Car)	Delta I (A-Car)		N-Car
Program		GMT315		T360		1X367	GM2700			GMX322		GMX001	GMX001		MX130
Model Year		2007		008		008	2008			2009		2009	2009		1999
Make		Saturn		MC		ntiac	Saturn			Cadillac		Chevrolet	Chevrolet		Pontiac
Model		Vue		voy		nd Prix	Astra			CTS		Cobalt	Cobalt		and Am
VIN		5GZCZ534X7S869832		482139726		2881190468	W08AT271085000108		1	G6DF577090105234		1G1AT58H797256927			2T0XM916194
Mileage		128683		3697		3394	Not Recorded			128366		77594	71840		04968
	- d liti Ct lfti	128083	19.	3097	0.	3394	Not Recorded			128300		11594	/1840	ı	04908
	ed Ignition System Information														
	tch Part Number	Not Recorded		y Recorded		10896	Not Recorded			92184907		15886190	15886190		2599340
	tch Torque (Ncm)	Not Recorded	Not Recorded	Not Recorded	16.3	16.3	Not Recorded	19.6	19.6	19.6	19.6	16.2	14.7	9.7	9.7
System Torq		20.1	21.2	21.2	18.1	18.1	29.4	23.1	23.1	21.4	21.6	19.0	16.1	16.9	16.9
Pull-down Fo		>49	46.1	Not Recorded	>49	Not Recorded	>49	>49	Not Recorded	Not Recorded	Not Recorded	25.7	26.3	>49	Not Recorded
Steering Col	lumn Rake Angle (deg)	20	37	37	N/A	N/A	23	23	23	23	23	21	Not Recorded	N/A	N/A
	OFF	-35	-11	-11	-4	-4	-60	-40	-40	-40	-40	-13	-10	1	1
Key Angle	ACC	30	31	31	24	24	-12	8	8	8	8	33	36	32	32
	RUN	56	57	57	52	52	30	31	31	31	31	59	62	59	59
() 3/	CRANK	Not Recorded	93	93	90	90	70	63	63	63	63	102	100	93	93
Shifter Posit	tion (column/floor)	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor
Key Position	(column/dash/floor)	Column	Column	Column	Dash	Dash	Column	Column	Column	Column	Column	Column	Column	Dash	Dash
Key i osition	Inertial Test	COIGITIII	COIGITIII	Column	Dasii	Dusii	Column	COIGITIIT	COIGITIIT	COIGITIII	COIGITIII	Column	COIGITIII	Dasii	Dusii
Koy Typo	mertiai rest	Overmold 1	Overmold 1	Overmold 1	Ourseld f	0	Flip Voy	Ourse ski d	0	Overseld 1 Nov. 2 :	Overseld 1 Nov 2 :	Overmold 1	Overmold 1	0	0
Key Type		Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Flip Key	Overmold 1	Overmold 1	Overmold 1 - New Cut		Overmold 1	Overmold 1	Overmold 1	Overmold 1
Insert Type	01 ()	None	None	One-Piece	None	One-Piece	None	None	One-Piece	Clamshell	Two-Piece	None	None	None	One-Piece
Insert Hole S		N/A	N/A	4x4	N/A	4x4	N/A	N/A	4x4	4x6	4x6	N/A	N/A	N/A	4x4
	ide Diameter (mm)	25	25	13	25	13	25	25	13	13	13	25	25	25	13
Number of k	Key Rings	1	1	2	1	2	1	1	2	2	2	1	1	1	2
Special Conf	figuration Notes	N/A	N/A	Inertial Test Not Performed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Inertial Test Not Performed
Weight (lb)		0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Cubilete @ 1	10 mph	N	N	Not Recorded	N	Not Recorded	N	N	N/A	N	N	N	N	N	Not Recorded
	ling Chatter & Angled RR)	N	N	Not Recorded	N	Not Recorded	N	N	N/A	N	N	N	N	N	Not Recorded
	r (Hz MPH/3) @ 55 to 45 mph	N	N	Not Recorded	N	Not Recorded	N	N	N/A	N	N	N	N	N	Not Recorded
	RR crossing @ 70+ mph	N	N	Not Recorded	N	Not Recorded	N	N	N/A	N	N	N	N N	N	Not Recorded
Pothole #1 @		N	N	Not Recorded	N	Not Recorded	N	N	N/A	N	N	N	N	N	Not Recorded
Pothole #2 @		N N	N	Not Recorded	N	Not Recorded	N	N	N/A	N	N N	N	N N	N	Not Recorded
Panic stop @		N N	N N	Not Recorded	N N		N N	N N	N/A	N N	N N	N N	N N	N N	Not Recorded
		N N	N N	Not Recorded	N N	Not Recorded	N N	N N	N/A	N N	N N	N N	N N	N N	
Belgian Bloc		N	IN	Not Recorded	N	Not Recorded	IN .	N	N/A	N	N	N	IN .	N	Not Recorded
	Knee Key Test														
	Ease	Medium	Not Possible	Not Possible	Difficult	Difficult	Easy	Medium	Medium	Medium	Not Recorded	Not Recorded	Not Recorded	Difficult	Difficult
	Driving Position	Abnormal	N/A	N/A	Abnormal	Abnormal	Abnormal	Normal	Normal	Abnormal	Not Recorded	Not Recorded	Not Recorded	Abnormal	Abnormal
5% Female		Gas – 115					Gas – 175			Gas – 110					
370 Ferriale	Knee Distance from Key (mm)	Brake - 95	Gas - 196	Gas - 196	Not Recorded	Gas - 152	Brake - 120	Gas - 101	Gas - 101	Brake - 90	Not Recorded	Not Recorded	Not Recorded	Gas - 95	Gas - 95
		Relaxed – 115					Relaxed – 110			Relaxed - 65					
	Knee Distance from Fob (mm)	Not Recorded	Gas - 152	Gas - 165	Not Recorded	Gas - 114	Not Recorded	Gas - 12	Gas - 38	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 25	Gas - 63
	Ease	Easy	Easy	Easy	Easy	Easy	Easy	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Easy	Easy
	Driving Position	Abnormal	Abnormal	Abnormal	Abnormal	Abnormal	Abnormal	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Abnormal	Abnormal
		Gas – 175					Gas – 185								
	Knee Distance from Key (mm)	Brake – 170	Gas - 160	Gas - 160	Gas - 205	Gas - 205	Brake – 175	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 115	Gas - 115
50% Male	Mice distance from key (IIIII)	Relaxed – 170	Gas - 100	Gas - 100	Gas - 200	Gas - 200	Relaxed – 175	NOT RECOLUED	MOT MECOLOGO	INOLINECUITURU	INOT IVECOLUEA	NOT RECOLUED	NOT RECORDED	Gas - 113	003-113
	Knee Distance from Fob (mm)	Not Recorded	Gas - 110	Gas - 120	Gas - 150	Gas - 155	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 60	Gas - 65
	Ease	Medium	Easy	Not Recorded	Easy	Not Recorded	Easy	Not Recorded	Not Recorded	Not Possible	Not Recorded	Not Recorded	Not Recorded	Fasy	Not Recorded
	Driving Position	Abnormal	Abnormal	Not Recorded	Abnormal	Not Recorded	Abnormal	Not Recorded	Not Recorded	N/A	Not Recorded	Not Recorded	Not Recorded	Normal	Not Recorded
	5g i osition	Gas – 56	ANTIOTHIA	NOT RECOIDED	ADITOTITIAL	ANDE MODULEU	Gas – 70	.vot necorded	.vot necolued	Gas – 65	TWO ENCLOSUED	NOT RECOIDED	INOT NOUNTED	HOHITIAL	INOT RECOIDED
	Knee Distance from Key (mm)	Gas – 56 Brake – 43	Gas - 93	Not Recorded	Gas - 60	Not Recorded	Brake – 54	Not Recorded	Not Recorded	Brake – 45	Not Recorded	Not Recorded	Not Recorded	Gas - 50	Not Recorded
95% Male	Kilee Distance Ironi key (Illin)		042 - 42	NOT RECORDED	045 - 00	NOT KELDINED		INOT RECOIDED	NOT KECOIDED		Not recorded	NOT RECORDED	Not recorded	045 - 30	NOT KELOTUEO
		Relaxed – 52		-			Relaxed – 32	1	1	Relaxed – 80			1		
	Knee Distance from Fob (mm)	Not Recorded	Gas - 43	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Hang Tag Test														
Condition Po	ossible? (Yes/No)	No	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Yes	Not Recorded	Not Recorded	Yes	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Comments	Tag can bind, but engineer wasn't successful in actually turning ignition off because tag bends (tag did not overcome ignition torque).	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Key very close to steering wheel (concerned about hand interference with gloves). 50 mm from key head to steering wheel.	Not Recorded	Not Recorded	Possible, but not easy	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded

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Test Vehicle Information			1													
Vehicle Workbook		BV				BW				3X		BY		3Z	C	CA
Platform	C/I	K Truck				W-Car				Truck		(Truck	C/K	Truck	C/K	Truck
Program		MT900				GMX211				T900		ЛТ900		T820		1T820
Model Year		2013				2010				012		2012		003		005
Make						Chevrolet				vrolet		evrolet		nmer	Hum	mmer
Model						Impala				o 2500HD		do 3500HD		12		H2
VIN					2G1V	/A5EK7A1128846				66CZ0006EX		GXCF0005EX		J43H123346		J35H0012EX
Mileage						109023				096		419		307		3511
Keyed Ignition System Information		700				107020			Ü	3,0		,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	200	,011
Ignition Switch Part Number	25	733005			1	lot Recorded			Incorrect	y Recorded	257	733005	Incorrecti	y Recorded	Incorrectly	ly Recorded
Ignition Switch Torque (Ncm)				10.8			10.8	10.8		ecorded		Recorded		ecorded	Not Recorded	Not Recorded
System Torque (Ncm)							21.9	21.9		0.4		17.3		2.0	28.0	28.0
Pull-down Force (N)	>49						Not Recorded	Not Recorded		7.4		36.7		49	>49	Not Recorded
Steering Column Rake Angle (deg)	31	31					35.0	35.0		32		32		32	32	32
OFF	-19	-19		Not Recor	ded		Not Recorded	Not Recorded		18		-16		20	-22	-22
Key Angle ACC	21	21					Not Recorded	Not Recorded		25		25		28	28	28
(deg) RUN	53	53		49.0			49.0	49.0		51		53	!	50	50	50
CRANK	87	87		Not Recor	ded		Not Recorded	Not Recorded		90		94		30	78	78
Shifter Position (column/floor)	Column	Column		Floor			Floor	Floor	Co	umn	Cc	olumn	FI	oor	Floor	Floor
Key Position (column/dash/floor)	Column	Column		Colum	1		Column	Column	Co	umn	Cc	olumn	Col	umn	Column	Column
Inertial Test																
Key Type	Overmold 1 Overmold 1 Overmold 1					Overmold 1	Overmold 1	Overmold 1	Over	mold 1	Ove	rmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1
Insert Type						None	One-Piece	None		one		lone	None	One-Piece	None	One-Piece
Insert Hole Size (mm)				N/A		N/A	4x4	4x6	١	I/A		N/A	N/A	4x4	N/A	4x4
Key Ring Inside Diameter (mm)						13	13	13		25		25	25	13	25	13
Number of Key Rings						2	2	2		1		1	1	2	1	2
3																
		In antial Tank Nak												Inertial Test Not		Inertial Test Not
Special Configuration Notes	N/A			N/A		Solid Mass Weight	N/A	N/A	N.	I/A		N/A	N/A	Performed	N/A	Performed
		renonneu												renonneu		remonneu
Weight (lb)	0.70	0.70	0.70 0.63	0.55 0.40	0.30	0.70	0.70	0.70	0.70	0.63	0.70	0.63	0.70	0.70	0.70	0.70
Cubilete @ 10 mph	r & Angled RR) N Not Recorded N N/A N/A /3) @ 55 to 45 mph N Not Recorded N N/A N/A		N/A	N	N	N/A	N	N/A	N	N/A	N	Not Recorded	N	Not Recorded		
R&H (excluding Chatter & Angled RR)			IV IVA			N	N	N/A	Υ	N	Y & N	N	N	Not Recorded	N	Not Recorded
R&H Chatter (Hz MPH/3) @ 55 to 45 mph			14 14//1			N	N	N/A	N	N/A	N	N/A	N	Not Recorded	N	Not Recorded
R&H Angled RR crossing @ 70+ mph	N	Not Recorded	14771			N	N	N/A	N	N/A	N	N/A	N	Not Recorded	N	Not Recorded
Pothole #1 @25 mph			N N/A	N/A N/A	N/A	N	N	N/A	N	N/A	N	N/A	N	Not Recorded	N	Not Recorded
Pothole #2 @ 25 mph	V5 mph N Not Recorded N N/A N/A N/A N/A 25 mph N Not Recorded Y Y Y Y		N	Υ	N	N	N	N/A	N	N/A	N	Not Recorded	N	Not Recorded		
Panic stop @ 10 mph						N	N	N/A	N	N/A	N	N/A	N	Not Recorded	N	Not Recorded
Belgian Blocks	Oh N Not Recorded N N/A N/A N/A ph N Not Recorded Y <t< td=""><td>N/A</td><td>N</td><td>N</td><td>N/A</td><td>N</td><td>N/A</td><td>N</td><td>N/A</td><td>N</td><td>Not Recorded</td><td>N</td><td>Not Recorded</td></t<>		N/A	N	N	N/A	N	N/A	N	N/A	N	Not Recorded	N	Not Recorded		
Knee Key Test	N															
Ease						Not Recorded	Difficult	Not Possible		ecorded		Possible	Not Possible	Not Possible	Difficult	Difficult
Driving Position	N/A	N/A	Abnormal	Not Reco	ded	Not Recorded	Abnormal	Not Possible	Not R	ecorded		N/A	N/A	N/A	Abnormal	Abnormal
5% Female																
Knee Distance from Key (mm)	Gas - 209	Gas - 209	Gas - 225	Not Reco	ded	Not Recorded	Gas - 190	Not Possible	Not R	ecorded	Gas	s - 228	Gas - 228	Gas - 228	Gas - 266	Gas - 266
							_									
Knee Distance from Fob (mm)						Not Recorded	Gas - 125	Not Possible		ecorded		Recorded	Gas - 158	Gas - 146	Gas - 165	Gas - 184
Ease						Not Recorded	Not Possible	Not Possible		ecorded		edium	Not Recorded	Not Recorded	Medium	Not Recorded
Driving Position	N/A	N/A	N/A	Not Reco	uea	Not Recorded	N/A	Not Possible	Not R	ecorded	Abr	normal	Not Recorded	Not Recorded	Abnormal	Not Recorded
Kana Diatas Com K. Com	0 455	0 1/5	Cor. 205	N-4 D	dod	N-4 D	0 005	N-4 D 3.1	Al D	corded	~	- 100	N-4 D	N-4 D	0 000	N-4 D-
50% Male Knee Distance from Key (mm)	Gas - 155	Gas - 165	Gas - 205	Not keco	ueu	Not Recorded	Gas - 205	Not Possible	Not R	ecorded	Gas	s - 190	Not Recorded	Not Recorded	Gas - 220	Not Recorded
		+	-			+		-	-		 		 	1	 	1
Knee Distance from Fob (mm)	Con 140	Cas 140	Cas 125	Not D	dod	Not Recorded	Gas - 142	Not Possible	Not D	ecorded	No+ P	Recorded	Not Recorded	Not Recorded	Gas - 150	Not Recorded
Kilee Distance Iron Foo (mm)	Gas - 140	Gd5 - 140	045 - 133	NOT RECO	ued	Den record	Ud5 - 142	NOT LOSSING	NOT K	scoi deu	INOLE	recorded	INDI RECUIDED	Deprioras row	G45 - 13U	INDI RECUIDED
Ease	Not Possible	Not Posarded	Not Possible	Eacu		Not Recorded	Not Possible	Not Possible	Dif	ficult	Die	fficult	Not Possible	Not Recorded	Not Possible	Not Recorded
Driving Position					nal	Not Recorded	N/A	Not Possible		ormal		normal	N/A	Not Recorded	N/A	Not Recorded
Driving Costion	19/74	1401 NECOTARU		ADITOTT	iui.	NOT RECOIDED	13/73	INOT I USSIDIE	AUII	or mai	ADI	iomiai	14/74	NOT RECOIDED	14/71	1401 NOUDIUEU
Knee Distance from Key (mm)	Gas - 105	Not Recorded		Gas - 4	0	Not Recorded	Gas - 155	Not Possible	Gas	- 105	Gar	s - 108	Gas - 115	Not Recorded	Gas - 102	Not Recorded
95% Male Niee Distance Horn key (Hill)	543 - 103			003-4	•	110111001404	505-155	1401 1 0331010]		Ju		003 - 113		003 - 102	
											1		1	<u> </u>	†	
Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Brake - 85	Not Reco	ded	Not Recorded	Gas - 90	Not Possible	Not R	ecorded	Not R	Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
,			Relaxed - 130													
Hang Tag Test		•														
Condition Possible? (Yes/No)	Not Recorded	Not Recorded		Not Recorded		Not Recorded	Not Recorded	Not Possible	Not R	ecorded	Not R	Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
(133/110)	acu							0351510	1.2010							
									Ì		1					
		1	1											1		
														1		1
Comments	Cacilliac Exablade Impal	Not Bosonda	Not Deserted	Not Descible	N-+ D	norded	No.+ P	Dogordod	Not Doggraf- d	Not Decord	Not Decord-1	Not Bosords				
Comments		Not Recorded	Not Recorded	Not Possible	Not R	ecorded	Not R	Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded				
Comments		Not Recorded	Not Recorded	Not Possible	Not R	ecorded	Not R	Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded				
Comments	Not Recorded	Not Recorded		Not Recorded		Not Recorded	Not Recorded	Not Possible	Not R	ecorded	Not R	Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Comments	Not Recorded	Not Recorded		Not Recorded		Not Recorded	Not Recorded	Not Possible	Not R	ecorded	Not R	Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded

million System Information Ok Part Number Forque (Ncm) (Ncm) Rake Angle (deg) C N NINK (column/floor) Iumn/dash/floor) Iumn/dash/floor) Inertial Test (mm) Diameter (mm)	CB N Truck GMT345 2008 Hummer H3 5GTEN13L088100107 6691 Incorrectly Recorded 11.2 14.1 >49 34 -59 -25 7 48 Floor Column	Not Recorded 12.6 17.0 28.2 30 Not Recorded Not Recorded Floor Column	CC W-Car GMX365 2006 Buick LaCrosse 2G4WD582961123483 85704 Not Recorded 12.6 17.0 28.2 30 Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded	Not Recorded 12.6 17.0 >49 30 Not Recorded Not Recorded	CD H-Ca GMX2 200: Buict Lucer 1G4HD57277 9005 Not Recorded 13.0 17.8 45.8 30	7 22 7 7 k k me U126320 1 1 Not Recorded 13.0 17.8	CE Kappa (M-Car) GMX020 2009 Pontiac Solstice 1G2MB25B29Y0009EX 6049 15886190			CF W-Car GMX211 2007 Chevrolet Impala G1W158KX79363872 107462		
mition System Information Part Number Forque (Ncm) (Ncm) (Ncm) (R) Rake Angle (deg) C N NNK (column/floor) lumn/dash/floor) Inertial Test (mm)	GMT345 2008 Hummer H3 5GTEN13L088100107 6691 Incorrectly Recorded 11.2 14.1 >49 34 -59 -25 7 48 Floor Column	12.6 17.0 28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	GMX365 2006 Buick LaCrosse 2G4WD582961123483 85704 Not Recorded 12.6 17.0 28.2 30 Not Recorded Not Recorded Not Recorded	12.6 17.0 >49 30 Not Recorded	GMX2 2007 Buicl Lucer 1G4HD57277 9005 Not Recorded 13.0 17.8 45.8	22 7 k ne UU126320 1 Not Recorded 13.0 17.8	GMX020 2009 Pontiac Solstice 1G2MB25B29Y0009EX 6049 15886190			GMX211 2007 Chevrolet Impala G1WT58KX79363872		
Part Number forque (Ncm) (Ncm) (Ncm) (Ncm) (Nom)	GMT345 2008 Hummer H3 5GTEN13L088100107 6691 Incorrectly Recorded 11.2 14.1 >49 34 -59 -25 7 48 Floor Column	12.6 17.0 28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	GMX365 2006 Buick LaCrosse 2G4WD582961123483 85704 Not Recorded 12.6 17.0 28.2 30 Not Recorded Not Recorded Not Recorded	12.6 17.0 >49 30 Not Recorded	GMX2 2007 Buicl Lucer 1G4HD57277 9005 Not Recorded 13.0 17.8 45.8	22 7 k ne UU126320 1 Not Recorded 13.0 17.8	GMX020 2009 Pontiac Solstice 1G2MB25B29Y0009EX 6049 15886190			2007 Chevrolet Impala G1WT58KX79363872		
Part Number forque (Ncm) (Ncm) (Ncm) (Ncm) (Nom)	Hummer H3 5GTEN13L088100107 6691 Incorrectly Recorded 11.2 14.1 >49 34 -59 -25 7 48 Floor Column	12.6 17.0 28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	Buick LaCrosse 2G4WD582961123483 85704 Not Recorded 12.6 17.0 28.2 30 Not Recorded Not Recorded 54	12.6 17.0 >49 30 Not Recorded	2007 Buiciding Lucern 1G4HD57277 9005 Not Recorded 13.0 17.8 45.8	7 k ne UU126320 1 1 Not Recorded 13.0 17.8	Pontiac Solstice 1G2MB25B29Y0009EX 6049 15886190			2007 Chevrolet Impala G1WT58KX79363872		
Part Number forque (Ncm) (Ncm) (Ncm) (Ncm) (Nom)	Hummer H3 5GTEN13L088100107 6691 Incorrectly Recorded 11.2 14.1 >49 34 -59 -25 7 48 Floor Column	12.6 17.0 28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	LaCrosse 2G4WD582961123483 85704 Not Recorded 12.6 17.0 28.2 30 Not Recorded Not Recorded 54	12.6 17.0 >49 30 Not Recorded	Luceri 1G4HD57277 9005 Not Recorded 13.0 17.8 45.8	Not Recorded 13.0 17.8	Solstice 1G2MB25B29Y0009EX 6049 15886190			Impala G1WT58KX79363872		
Part Number forque (Ncm) (Ncm) (Ncm) (Ncm) (Nom)	5GTEN13L088100107 6691 Incorrectly Recorded 11.2 14.1 249 34 -59 -25 7 48 Floor Column	12.6 17.0 28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	LaCrosse 2G4WD582961123483 85704 Not Recorded 12.6 17.0 28.2 30 Not Recorded Not Recorded 54	12.6 17.0 >49 30 Not Recorded	Luceri 1G4HD57277 9005 Not Recorded 13.0 17.8 45.8	Not Recorded 13.0 17.8	1G2MB25B29Y0009EX 6049 15886190			Impala G1WT58KX79363872		
Part Number forque (Ncm) (Ncm) (Ncm) (Ncm) (Nom)	6691 Incorrectly Recorded 11.2 14.1 >49 34 -59 -25 7 48 Floor Column	12.6 17.0 28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	85704 Not Recorded 12.6 17.0 28.2 30 Not Recorded Not Recorded 54	12.6 17.0 >49 30 Not Recorded	9005 Not Recorded 13.0 17.8 45.8	Not Recorded 13.0 17.8	6049 15886190					
Part Number forque (Ncm) (Ncm) (Ncm) (Ncm) (Nom)	Incorrectly Recorded 11.2 14.1 >49 34 -59 -25 7 48 Floor Column	12.6 17.0 28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	Not Recorded 12.6 17.0 28.2 30 Not Recorded Not Recorded 54	12.6 17.0 >49 30 Not Recorded	Not Recorded 13.0 17.8 45.8	Not Recorded 13.0 17.8	15886190			107462		
Part Number forque (Ncm) (Ncm) (Ncm) (Ncm) (Nom)	11.2 14.1 >49 34 -59 -25 7 48 Floor	12.6 17.0 28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	12.6 17.0 28.2 30 Not Recorded Not Recorded	12.6 17.0 >49 30 Not Recorded	13.0 17.8 45.8	13.0 17.8						
Part Number forque (Ncm) (Ncm) (Ncm) (Ncm) (Nom)	11.2 14.1 >49 34 -59 -25 7 48 Floor	12.6 17.0 28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	12.6 17.0 28.2 30 Not Recorded Not Recorded	12.6 17.0 >49 30 Not Recorded	13.0 17.8 45.8	13.0 17.8						
(Ncm) (N) Rake Angle (deg) C N ANK (column/floor) Iumn/dash/floor) Inertial Test (mm)	11.2 14.1 >49 34 -59 -25 7 48 Floor	12.6 17.0 28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	12.6 17.0 28.2 30 Not Recorded Not Recorded	17.0 >49 30 Not Recorded	13.0 17.8 45.8	13.0 17.8	1/ 2		Not Recorded		Not Recorded	Not Recorded
(Ncm) (N) Rake Angle (deg) C N ANK (column/floor) Iumn/dash/floor) Inertial Test (mm)	14.1 >49 34 -59 -25 7 48 Floor Column	17.0 28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	28.2 30 Not Recorded Not Recorded 54	17.0 >49 30 Not Recorded	45.8	17.8	16.3	i	12.4		12.4	12.4
(M) Rake Angle (deg) C C N N N N N N N INK (column/floor) lumn/dash/floor) Inertial Test (mm)	34 -59 -25 7 48 Floor Column	28.2 30 Not Recorded Not Recorded 54 Not Recorded Floor	30 Not Recorded Not Recorded 54	30 Not Recorded			18.6	1	18.0		18.0	18.0
N NANK (column/floor) lumn/dash/floor) Inertial Test	-59 -25 7 48 Floor Column	Not Recorded Not Recorded 54 Not Recorded Floor	Not Recorded Not Recorded 54	Not Recorded	30	Not Recorded	43.4	i	>49		Not Recorded	Not Recorded
N NANK (column/floor) lumn/dash/floor) Inertial Test	-59 -25 7 48 Floor Column	Not Recorded Not Recorded 54 Not Recorded Floor	Not Recorded Not Recorded 54	Not Recorded		30	Not Recorded	1	35		35	35
N NINK (column/floor) Iumn/dash/floor) Inertial Test (mm)	7 48 Floor Column	54 Not Recorded Floor	54	Not Recorded	Not Recorded	Not Recorded	-14	i	Not Recorded		Not Recorded	Not Recorded
ANK (column/floor) lumn/dash/floor) Inertial Test (mm)	48 Floor Column	Not Recorded Floor		Nocorded	Not Recorded	Not Recorded	45	ĺ	Not Recorded		Not Recorded	Not Recorded
(column/floor) lumn/dash/floor) Inertial Test (mm)	Floor Column	Floor	Not Recorded	54	57	57	65		64		64	64
lumn/dash/floor) Inertial Test (mm)	Column		INOT RECOLUED	Not Recorded	Not Recorded	Not Recorded	99	ĺ	Not Recorded		Not Recorded	Not Recorded
Inertial Test (mm)		Column	Floor	Floor	Floor	Floor	Floor	ĺ	Floor		Floor	Floor
(mm)	Overmold 1		Column	Column	Column	Column	Column	i	Column		Column	Column
	Overmold 1											
		Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1
	None	None	None	One-Piece	None	One-Piece	None	None	None	None	One-Piece	None
	N/A	N/A	N/A	4x4	N/A	4x4	N/A	N/A	N/A	N/A	4x4	4x6
	25	13	25	13	25	13	25	25	25	25	13	13
Rings	1	2	1	2	1	2	1	1	1	1	2	2
ration Notes	N/A	Solid Mass Weight	N/A	N/A	N/A	N/A	N/A	Solid Mass Weight	N/A	New Front Suspension Struts	N/A	N/A
	0.70	0.70					0.70	0.70			0.70	0.70
nph	N	N		N			N	Υ			N	N
	N	N	Y Y N N/A N/A	N	N N/A N/A N/A	N	N	Not Recorded	N N/A N/A N/A N/A N/A	Y N/A N/A N/A N/A N/A	N	N
MPH/3) @ 55 to 45 mph	N	N	N N/A N/A N/A N/A	N	N N/A N/A N/A	N	N	Not Recorded	N N/A N/A N/A N/A N/A	N N/A N/A N/A N/A N/A	N	N
	N	N	Y Y N N/A N/A	N	N N/A N/A N/A	N	N	Not Recorded		N N/A N/A N/A N/A N/A	N	N
mph	N	N	Y Y N N/A N/A	N	N N/A N/A N/A	N	N	Not Recorded	Y Y Y Y&N N N	Y N N N N N	N	N
5 mph	N	Υ	Y Y Y Y N	N	Y Y Y N	N	N	Not Recorded			N	N
mph	N	N			N N/A N/A N/A	N	N	Not Recorded			N	N
	N	Υ	N N/A N/A N/A N/A	N	N N/A N/A N/A	N	N	Not Recorded	N N/A N/A N/A N/A N/A	N N/A N/A N/A N/A N/A	N	N
Knee Key Test								<u> </u>				
е	Easy	Not Recorded	Difficult	Difficult	Not Possible	Not Possible	Not Recorded	Not Recorded	Difficult	Difficult	Difficult	Not Recorded
ring Position	Normal	Not Recorded	Abnormal	Abnormal	N/A	N/A	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Abnormal	Not Recorded
e Distance from Key (mm)	Gas - 107	Not Recorded	Gas - 200	Gas - 180	Gas - 210	Gas - 210	Not Recorded	Not Recorded	Gas - 190	Gas - 190	Gas - 180	Not Recorded
e Distance from Fob (mm)	Gas -25	Not Recorded	Gas - 120	Gas - 115	Gas - 140	Gas - 145	Not Recorded	Not Recorded	Gas - 105	Gas - 105	Gas - 115	Not Recorded
е	Easy	Not Recorded	Not Possible	Not Possible	Not Possible	Difficult	Not Recorded	Not Recorded	Not Possible	Not Possible	Not Possible	Not Recorded
ring Position	Abnormal	Not Recorded	N/A	N/A	N/A	Abnormal	Not Recorded	Not Recorded	N/A	N/A	N/A	Not Recorded
e Distance from Key (mm)	Gas - 175 Brake - 155 Relaxed - 230	Not Recorded	Gas - 170	Gas - 230	Gas - 215	Gas - 230 Brake - 215 Relaxed - 198	Not Recorded	Not Recorded	Gas - 215	Gas - 215	Gas - 215	Not Recorded
e Distance from Fob (mm)	Gas - 100 Brake - 85 Relaxed - 230	Not Recorded	Gas - 100	Gas - 167	Gas - 145	Gas - 150 Brake - 130 Relaxed - 130	Not Recorded	Not Recorded	Gas - 140	Gas - 140	Gas - 155	Not Recorded
9	Easy	Not Recorded	Not Possible	Not Possible	Not Possible	Not Possible	Not Recorded	Not Recorded	Not Possible	Not Possible	Not Possible	Not Recorded
ving Position	Normal	Not Recorded	N/A	N/A	N/A	N/A	Not Recorded	Not Recorded	N/A	N/A	N/A	Not Recorded
ee Distance from Key (mm)	Gas - 40	Not Recorded	Gas - 140	Gas - 145	Gas - 155	Gas - 142 Brake - 110 Relaxed - 160	Not Recorded	Not Recorded	Gas - 150	Gas - 150	Gas - 150 Brake -135 Relaxed - 180	Not Recorded
e Distance from Fob (mm)	Fob - 0	Not Recorded	Gas - 85	Gas - 70	Gas - 80	Gas - 80 Brake - 60 Relaxed - 110	Not Recorded	Not Recorded	Gas - 85	Gas - 85	Gas - 90 Brake - 70 Relaxed - 110	Not Recorded
ole? (Yes/No)	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Comments	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
ra e e e e e e e e e e e e e e e e e e e	immeter (mm) ings tion Notes tion Notes tion Notes tion Notes tion Notes tion Notes MPH/3) @ 55 to 45 mph rossing @ 70+ mph mph mph mph Knee Key Test ng Position Distance from Key (mm) Distance from Key (mm) Distance from Fob (mm) ng Position Distance from Fob (mm) Distance from Fob (mm) Distance from Fob (mm) Distance from Fob (mm) Distance from Fob (mm)	Ameter (mm) 25 1 1 1 1 1 1 1 1 1	Solid Mass Weight Solid Mass Weight	Solid Mass Weight N/A Solid Mass Weight N/A	Solid Mass Weight N/A N/A N/A	13 25 13 25 13 25 13 25 13 25 13 25 13 25 13 25 13 10 10 10 10 10 10 10	Semeter (mm) 25	1	Solid Mass Weight N/A	Second color Seco	1 2 1 2 1 2 1 2 1 2 1 2 1 1	Secondary 1

	Test Vehicle Information											
Vehicle Wor		CG		CH			CI	CJ	CK	CL	CM	CN
Platform		Epsilon I		W-Car			U-Van	U-Van	U-Van	H-Car	Delta I (A-Car)	Delta I (A-Car)
Program		GMX384		GMX211			GMT201	GMT201	GMT201	GMX310	GMX260	GMT001
Model Year		2009		2007			2005	2006	2006	2000	2008	2008
Make		Saturn		Chevrolet			Buick	Buick	Chevrolet	Pontiac	Pontiac	Chevrolet
Model							Terraza	Terraza	Uplander	Bonneville	G5	HHR
VIN		Aura 1G8ZX577X9F123148		Impala	200			5GADV33LX6D234871			1G2AL18F587256443	3GNDA33P88S0115EX
				2G1WT58K5793812	289		5GADX33125D284754		1GNDV33L26D120692	1G2HY54K1Y4227839		
Mileage		92023		87057			128061	143570	190000	168473	108772	12056
Keye	ed Ignition System Information											
Ignition Swi	itch Part Number	Not Recorded		Not Recorded			Not Recorded	Not Recorded	Not Recorded	25668329	Not Recorded	23215459
Ignition Swi	itch Torque (Ncm)	Not Recorded		Not Recorded			Not Recorded	12.9	Not Recorded	9.2	Not Recorded	18.3
System Toro	aue (Ncm)	13.1		15.9			20.1	24.3	17.3	9.7	17.9	20.8
Pull-down F		Not Recorded		Not Recorded			Not Recorded	>49	Not Recorded	Not Recorded	Not Recorded	32.5
	lumn Rake Angle (deg)	N/A		35.0			40	40	40	N/A	Not Recorded	30
otooring oo	OFF	Not Recorded		Not Recorded			Not Recorded	Not Recorded	Not Recorded	0	Not Recorded	-11
Key Angle	ACC	Not Recorded		Not Recorded			Not Recorded	Not Recorded	Not Recorded	30	Not Recorded	40
(deg)	RUN	60		64.0			52	54	57	60	Not Recorded	72
	CRANK	Not Recorded		Not Recorded			Not Recorded	Not Recorded	Not Recorded	90	Not Recorded	105
	tion (column/floor)	Floor		Floor			Column	Column	Column	Floor	Floor	Floor
Key Position	n (column/dash/floor)	Dash		Column			Column	Column	Column	Dash	Column	Column
	Inertial Test											
Кеу Туре		Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1 - Cut to Fit into Passkey Bat Wing Slot	Overmold 1	Passkey	Overmold 1	Overmold 1 - Hole	Overmold 1
Insert Type		None	None	None	One-Piece	None	None	None	None	None	None	None
				N/A								
Insert Hole		N/A	N/A		4x4	4x6	N/A	N/A	N/A	N/A	N/A	N/A
	side Diameter (mm)	25	25	25	13	13	25	25	25	25	25	25
Number of I	Key Rings	1	1	1	2	2	1	1	1	1	1	1
Special Con	figuration Notes	N/A	Solid Mass Weight	N/A	N/A	N/A	Solid Mass Weight	Solid Mass Weight	N/A	N/A	Inertial Test Not Performed (Recall Kit Installed in Vehicle)	N/A
Weight (lb)		0.70	0.70	0.70 0.63 0.55 0.40 0.30	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Cubilete @		N	N	N N/A N/A N/A N/A		N	N	N	N	N	Not Recorded	N
	ding Chatter & Angled RR)	N N	V	N N/A N/A N/A N/A		N N	N N	N N	N	N	Not Recorded	N N
			1 V							N N		
	er (Hz MPH/3) @ 55 to 45 mph	N	Y	N N/A N/A N/A N/A		N	N .	N	N		Not Recorded	N
	d RR crossing @ 70+ mph	N	Υ	Y N N/A N/A N/A	N	N	N N	N	N	N	Not Recorded	N
Pothole #1		N	Υ	N N/A N/A N/A N/A	N	N	N	N	N	N	Not Recorded	N
Pothole #2		N	Υ	Y Y Y Y N	N	N	N	N	N	N	Not Recorded	N
Panic stop @	@ 10 mph	N	N	N N/A N/A N/A N/A	N	N	N	N	N	N	Not Recorded	N
Belgian Bloo	cks	N	N	N N/A N/A N/A N/A	N	N	N	N	N	N	Not Recorded	N
	Knee Key Test											
	Ease	Not Recorded	Not Recorded	Difficult	Difficult	Not Recorded	Not Recorded	Not Possible	Not Recorded	Not Recorded	Not Recorded	Not Recorded
5% Female	Driving Position Knee Distance from Key (mm)	Not Recorded Not Recorded	Not Recorded Not Recorded	Not Recorded Gas - 190	Abnormal Gas - 180	Not Recorded Not Recorded	Not Recorded Not Recorded	N/A Gas - 175	Not Recorded Not Recorded	Not Recorded Not Recorded	Not Recorded Not Recorded	Not Recorded Not Recorded
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Gas - 105	Gas - 115	Not Recorded	Not Recorded	Gas - 90	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Ease	Not Recorded	Not Recorded	Not Possible	Not Possible	Not Recorded	Not Recorded	Abnormal	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Driving Position	Not Recorded	Not Recorded	N/A	N/A	Not Recorded	Not Recorded	Difficult	Not Recorded	Not Recorded	Not Recorded	Not Recorded
50% Male	Knee Distance from Key (mm)	Not Recorded	Not Recorded	Gas - 215	Gas - 215	Not Recorded	Not Recorded	Gas - 230 Brake - 215 Relaxed - 198	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Gas - 140	Gas - 155	Not Recorded	Not Recorded	Gas - 150 Brake - 130 Relaxed - 130	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Ease	Not Recorded	Not Recorded	Not Possible	Not Possible	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Driving Position	Not Recorded	Not Recorded	N/A	N/A	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
95% Male	Knee Distance from Key (mm)	Not Recorded	Not Recorded	Gas - 150	Gas - 150	Not Recorded	Not Recorded	Gas - 142 Brake - 110 Relaxed - 160	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Gas - 85	Gas - 90	Not Recorded	Not Recorded	Gas - 80 Brake - 60 Relaxed - 110	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Hang Tag Test											
Condition P	Possible? (Yes/No)	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Comments	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded

Egnition Switch Torque (Nkm) Not Recorded 20 9 Not Recorded 13 3 Not Recorded 19 1 Not Recorded	Vehicle Northstook	
Program	Program GM1900 GM0223 GM0202 CF4 C5 GM1610 GM1726	MF900
Program	Program GM1900 GM0223 GM0202 CF4 C5 GM1610 GM1726	MF900
Make	Make Chewolet Shum Portice Shum Portice Chewolet Shum	Saturn
Mode Silverado 1500LD	Selection Sel	Solidical Say Solidical Freibir TransArm Corvette Corvette Savana 2500HD Wite Intrigue Deville Market Mar
Mode Severado 1900LD Sey Sobition Severado 1900LD Sey Sobition Severado 1900LD Seve	Severade 1500.0.D Sev	Solition Say Solition Friebric TransArm Converter Savana 2500HD Vibra Intringue Converter Con
	Mileage	INCREDISEX ICAMISSASPYT18371 TOLANGSXB8P123678 GGYV22G14512394 GGYV22G1451294 GGGGS2M97120416 SYSAL63825A09415 TOLANGSXB8P123831
Mileage Not Recorded 27481 45770 66025 90217 154637 83433 11551	Mileage Not Recorded 27481 45770 66025 90217 154637 83433 85433 1	
Register Telephone Telep	Regard Institution System Information Not Recorded Not Recor	
Spitton Switch Part Number Incorrectly Recorded 1986 Re	Incorrectly Recorded Not Recorded 15886190 Not Recorded 10308321 12450251 Not Recorded Not Rec	Not Recorded Not Recorded 20.9 Not Recorded 11.3 Not Recorded 19.1 Not Recorded Not Recorded
Spitton Switch Torque (Ntm)	Special Column Not Recorded Not Recorded 20.9 Not Recorded 11.3 Not Recorded 11.3 Not Recorded 11.3 Not Recorded 11.3 25.5 28.1 15.5 12.5	Not Recorded Not Recorded 20.9 Not Recorded 11.3 Not Recorded 19.1 Not Recorded Not Recorded
System forque (Ncm) 22.8 16.9 23.2 52.0 11.5 27.5 25.4 12.3 11.5 31.1 25.5	System Torque (Nom)	16.9 23.2 52.0 11.5 27.5 25.4 12.3 11.5 13.1 25.5 28.1 2.6
Pull-down Force (N)	Pull-down Force (N)	Not Recorded 47.4 349 37.8 Not Recorded
Steering Column Rake Angle (deg) 30 Not Recorded 32 N/A 37 35 N/A N/A N/A N/A N/A Steering Column Rake Angle (deg) -18 Not Recorded -21 -11 0 -10 -35 0 0 0 0 -18 Not Recorded -21 -11 0 -10 -35 0 0 0 0 0 -38 Not Recorded -21 -11 0 -10 -35 0 0 0 0 0 -30 0 0 0 0 -30 0 0 0 0 0 0 0 0 0	Steering Column Rake Angle (deg) 30 Not Recorded 32 N/A 37 35 N/A	Not Recorded 32
OFF	OFF	18
Key Angle RCC	Key Angle ACC 25	25
Geg RUN	RUN	SO
CRANK 90 Not Recorded 99 94 90 90 90 90 90 90	CRANK	90
Shifter Position (column/floor) Column Floor F	Shifter Position (column / Hoor Floor F	Ploor Floor Floo
Column	Column C	Column C
None	New Part	None
Key Type Overmold 1 Overmold	Vermold Verm	None
Insert Type	Insert Type	None
Insert Hole Size (mm)	Insert Hole Size (mm)	N/A Ax6 4x6 Ax6 Ax6 4x6
Key Ring Inside Diameter (mm) 25	Key Ring Inside Diameter (mm) 25 25 25 25 25 25 25 25 25 2	25
Number of Key Rings 1 1 1 1 1 1 1 1 1 1 1 1 2 2 1 1 Special Configuration Notes N/A	Number of Key Rings 1 1 1 1 1 1 1 1 1 1 1 2 2 2 1 1 2 Wings on lock cylinder were removed to allow clamshell to fit Weight (lb) 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 1 1 2 2 2 1 1 2 2 2 1 1 N/A
Special Configuration Notes N/A N/A<	N/A	N/A
Weight (b)	N/A	N/A
Weight (lb)	N/A	N/A
Weight (lb)	Clamshell to fit Clamshell t	Camshell to fit Clamshell to
Cubilete @ 10 mph N	Neight (b)	
Cubilete @ 10 mph N	Cubliete @ 10 mph N	N N N N N N N N N N N N N N N N N N N
Cubilete @ 10 mph N	Cubliete @ 10 mph N	N N N N N N N N N N N N N N N N N N N
R&H (excluding Chatter & Angled RR) N	R&H (excluding Chatter & Angled RR) N N N N N N N N N N N N N N N N N N	N N
R&H (excluding Chatter & Angled RR) N	R&H (excluding Chatter & Angled RR) N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N
R&H Chatter (Hz MPH/3) @ 55 to 45 mph N N N N N N N N N N N N N N N N N N N	R8H Chatter (Hz MPH/3) @ 55 to 45 mph N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N
R&H Angled RR crossing @ 70+ mph N <	R&H Angled RR crossing @ 70+ mph N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Pothole #1 @25 mph N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		N N N N N N N N N N N N N N N N N N N
Panic stop @ 10 mph N		
Belgian Blocks N		
Stright Stories II		
	50 II	
		N N N N N N N N N N N N N N N N N N N
Cos 155 Cos 220 Cos 00 Cos 160 Cos 155 Cos 220		N N
		N N N N N N N N N N N N N N N N N N N
	Gas - 155 Gas - 230 Gas - 90 Gas - 160 Gas - 155 Gas - 220 Gas - 215	N N
	5% Female Knee Distance from Key (mm)	N N
	5% Female Knee Distance from Key (mm) Gas - 228 Not Recorded Not Recor	N N
	Female F	N N
	Gas - 228 Not Recorded Not Reco	N N
	S% Female Knee Distance from Key (mm)	N N
	S% Female Knee Distance from Key (mm) Gas - 228 Not Recorded Not Reco	Not Recorded
Relaxed - 190	Female F	Not Recorded Not Recorded Not Recorded Not Recorded Medium Not Possible Easy Easy Easy Not Recorded Relaxed - 155 Relaxed - 80 Relaxed - 215 Relaxed - 80 Relaxed - 105
	Sw Female Knee Distance from Key (mm) Gas - 228	Not Recorded Not Recorded Not Recorded Not Recorded Medium Not Possible Easy Easy Easy Not Recorded Relaxed - 155 Relaxed - 80 Relaxed - 215 Relaxed - 80 Relaxed - 105
	Second Gas - 126 Second Gas - 127 Second Seco	Not Recorded Not Recorded Not Recorded Not Recorded Medium Not Possible Easy Easy Easy Not Recorded Relaxed - 15 Brake - 15 Brake - 15 Brake - 15 Relaxed - 10 Relaxed - 110 Relaxed - 100
Knee Distance from Fob (mm) Gas - 140 Not Recorded	Second Gas - 120 Gas - 1	Not Recorded Relaxed - 15 Brake - 15 Brake - 15 Brake - 15 Relaxed - 10 Relaxed - 110 Relaxed - 110 Relaxed - 105 Relaxed - 215 Relaxed - 21
	Sw Female Knee Distance from Key (mm) Gas - 228	Not Not Not Recorded Not Recorded Relaxed - 215 Relaxed - 80 Relaxed - 105 Rela
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Possible Not Possible Easy Easy Not Recorded Not Possible	Section Female	Not Not Not Recorded Not Recorded Not Recorded Medium Not Possible Easy Easy Easy Not Recorded Relaxed - 125 Relaxed - 165 Relaxed - 110 Relaxed - 110 Relaxed - 110 Relaxed - 1215 Relaxed - 215 Relaxed - 215 Relaxed - 216 Relaxed - 216 Relaxed - 216 Relaxed - 217 Not Recorded Relaxed - 190 Relaxed - 240 Relaxed - 230 Relaxed - 185 Relaxed - 185 Relaxed - 193 Relaxed -
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Not Possible Easy Easy Not Recorded Not Recorded Driving Position N/A Not Recorded Not Recorded Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A	Sw Female Knee Distance from Key (mm) Gas - 228	Not Recorded Not Recorded Not Recorded Not Recorded Mot Recorded Mot Recorded Abnormal N/A Abnormal N/A Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal N/A Abnormal Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Relaxed - 155 Brake - 135 Brake - 130 Relaxed - 105
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Not Possible Easy Not Recorded Not Possible Driving Position N/A Not Recorded	Sw Female Knee Distance from Key (mm) Gas - 228 Not Recorded Relaxed - 190 Relaxed - 240 Relaxed - 240 Relaxed - 185 Relaxed - 185 Relaxed - 185 Relaxed - 195	Not Not Not Recorded Not Recorded Relaxed - 125 Brake - 135 Brake - 130 Not Recorded Relaxed - 210 Relaxed -
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Not Possible Easy Easy Not Recorded Not	Second Female F	Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Recorded
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Not Possible Easy Easy Not Recorded Not	Second Female F	Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Recorde
Ease	Second Cas - 127	N
Ease	Second Cas - 127	N
Ease Not Possible Not Recorded Relaxed - 70 Relaxed - 90 Relaxed - 70	Second Female Ree Distance from Key (mm) Gas - 128	N
Ease	Second Female Ree Distance from Key (mm) Gas - 128	N
Ease Not Possible Not Recorded Relaxed - 70 Brake - 140 Brake - 60 Brake - 70 Brake - 50 Not Recorded Brake - 134 Relaxed - 70 Relaxed - 50 Relaxed - 90 Relaxed - 70 Relaxed - 70 Relaxed - 134 Relaxed - 135 Relaxed - 136 Rel	Female F	Not Recorded Not
Ease Not Possible Not Recorded	Second S	Not Recorded Not
Ease Not Possible Not Recorded Rake - 70 Figure Figure	Second Recorded Not Recorded	Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Recorded Abnormal Not Recorded Not Recorded Abnormal Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not
Ease Not Possible Not Recorded Relaxed - 70 Brake - 10 Brake - 10 Relaxed - 90 Relaxed - 70 Relaxed - 10 Recorded Not Reco	Kee Distance from Key (mm) Gas - 228 Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Role R	Not Recorded Not
Ease Not Possible Not Recorded	Cas - 125 Cas - 230 Cas - 90 Cas - 160 Cas - 155 Cas - 230 Cas - 90 Cas - 160 Cas - 155 Cas - 230 Cas - 90 Cas - 160 Cas - 155 Cas - 230 Cas - 90 Cas - 160 Cas - 125 Cas - 230 Cas - 90 Cas - 160 Cas - 125 Cas - 230 Cas - 90 Cas - 160 Cas - 125 Cas - 230 Cas - 90 Cas - 160 Cas - 125 Cas - 230 Cas - 90 Cas - 160 Cas - 125 Cas - 230 Cas - 90 Cas - 160 Cas - 125 Cas - 230 Cas - 90 Cas - 160 Cas - 125 Ca	No. No.
Ease Not Possible Not Recorded	Cas - 236 Not Recorded Not Rec	No. No.
Ease Not Possible Not Recorded	See Female Responded Recorded Not Recorded Not Recorded Not Recorded Not Recorded Residence See Se	Not Not
Ease Not Possible Not Recorded	Section Cas - 20	Not Not Not Recorded Not Rec
Vinage Koy Tast	a a a a a a a a a a a a a a a a a a a	
	Knee Key Test	
		N N N N N N N N N N N N N N N N N N N
	Driving Position Abnormal Not Recorded Not Recorded Not Recorded Abnormal N/A Abnormal Abnormal N/A Abnormal N/A N/A	N N N N N N N N N N N N N N N N N N N
Cos 155 Cos 220 Cos 00 Cos 160 Cos 155 Cos 220		N N
		N N N N N N N N N N N N N N N N N N N
376 Perilative Knee Distance from Key (mm) Gas - 228 Not Recorded Not Recorded Brake - 125 Brake - 165 Brake - 50 Brake - 135 Brake - 130 Not Recorded Brake - 180 Brake - 180	Con 155 Con 230 Con 00 Con 155 Con 230 Con 215	N N N N N N N N N N N N N N N N N N N
	Gas - 155 Gas - 230 Gas - 90 Gas - 160 Gas - 155 Gas - 220 Gas - 215	N N N N N N N N N N N N N N N N N N N
Relaxed - 80 Relaxed - 215 Relaxed - 90 Relaxed - 110 Relaxed - 105 Relaxed - 215	Gas - 155 Gas - 230 Gas - 90 Gas - 160 Gas - 155 Gas - 220 Gas - 215	N N
	5% Female Knee Distance from Key (mm)	N N
	5% Female Knee Distance from Key (mm)	N N
	5% Female Knee Distance from Key (mm) Gas - 228 Not Recorded Not Recor	N N
	5% Female Knee Distance from Key (mm) Gas - 228 Not Recorded Not Recor	N N
	Female F	N N
	Female F	N N
	Gas - 228 Not Recorded Not Reco	N N
	Gas - 228 Not Recorded Not Reco	N N
Gas_180 Gas_250 Gas_175 Gas_170 Gas_278	Gas - 228 Not Recorded Not Reco	N N
	S% Female Knee Distance from Key (mm)	N N
Mark Distance from Mark (see) Co. 220 Not Described Not Described	S% Female Knee Distance from Key (mm)	N N
	S% Female Knee Distance from Key (mm) Gas - 228 Not Recorded Not Reco	N N
Relaxed - 190 Relaxed - 240 Relaxed - 230 Relaxed - 185 Relaxed - 185 Relaxed - 195 Relaxed - 195 Relaxed - 196 Relaxed - 196 Relaxed - 196 Relaxed - 197 Re	Female F	N N
	Female F	N N
	Female F	N N
	Second Gas - 126 Second Gas - 127 Second Seco	Not Recorded Relaxed - 15 Brake - 15 Relaxed - 80 Relaxed - 80 Relaxed - 110 Relaxed - 105 Relaxed - 215 Relaxed - 215 Relaxed - 80 Relaxed - 105 Relaxed - 1
Knee Distance from Fob (mm) Gas - 140 Not Recorded	Second Gas - 126 Second Gas - 127 Second Seco	Not Recorded Relaxed - 15 Brake - 15 Relaxed - 80 Relaxed - 80 Relaxed - 110 Relaxed - 105 Relaxed - 215 Relaxed - 215 Relaxed - 80 Relaxed - 105 Relaxed - 1
Knee Distance from Fob (mm) Gas - 140 Not Recorded	Second Gas - 126 Second Gas - 127 Second Seco	Not Recorded Relaxed - 15 Brake - 15 Relaxed - 80 Relaxed - 80 Relaxed - 110 Relaxed - 105 Relaxed - 215 Relaxed - 215 Relaxed - 80 Relaxed - 105 Relaxed - 1
	Sw Female Knee Distance from Key (mm) Gas - 228	No. No.
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Possible Not Possible Easy Easy Not Recorded Not Possible	Section Female	Not Not Not Recorded Not
Ease Not Possible Not Recorded	Sw Female Knee Distance from Key (mm) Gas - 228	Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Recorde
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Not Possible Easy Not Recorded Not Possible Driving Position N/A N/A Not Recorded Not Recor	Sw Female Knee Distance from Key (mm) Gas - 228 Not Recorded Relaxed - 190 Relaxed - 240 Relaxed - 240 Relaxed - 185 Relaxed - 185 Relaxed - 185 Relaxed - 195	Not Not Not Recorded Not R
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Not Possible Easy Easy Not Recorded Not	Second Female F	Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Rec
Ease	Second Female F	Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Rec
Ease	Second Female F	Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Recorde
Ease Not Possible Not Recorded	Second Cas - 127	N
Ease	Second Cas - 127	N
Ease Not Possible Not Recorded	Second Female Ree Distance from Key (mm) Gas - 128	N
Ease Not Possible Not Recorded	Second Female Ree Distance from Key (mm) Gas - 128	N
Ease Not Possible Not Recorded	Female F	Not Not
Ease Not Possible Not Recorded	Female F	Not Not
Ease Not Possible Not Recorded Relaxed - 70 Brake - 140 Brake - 60 Brake - 70 Brake - 50 Not Recorded Brake - 134 Relaxed - 70 Relaxed - 50 Relaxed - 90 Relaxed - 70 Relaxed - 70 Relaxed - 134 Relaxed - 135 Relaxed - 136 Rel	Female F	Not Not
Ease Not Possible Not Recorded	Second S	Not Recorded Not
Ease Not Possible Not Recorded	Second S	No. No.
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Driving Position N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A Real N/A Relaxed - 15 Rela	Second S	No. No.
Ease Not Possible Not Recorded	Second Recorded Not Recorded	Not Recorded Not
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Driving Position N/A Not Recorded Not R	Second Recorded Not Recorded	Not Recorded Not
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Driving Position N/A Not Recorded Not R	Second Recorded Not Recorded	Not Recorded Not
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Driving Position N/A Not Recorded Not R	Second Recorded Not Recorded	Not Recorded Not
Ease Not Possible Not Recorded	Second Recorded Not Recorded	Not Recorded Not
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Driving Position N/A Not Recorded Not R	Second Recorded Not Recorded	Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Possible Easy Easy Not Recorded Not Recorded Not Recorded Not Recorded Abnormal Not Recorded Not Recorded
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Driving Position N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A Real N/A Relaxed - 15 Rela	Second S	No. No.
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Driving Position N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A Real N/A Real N/A N/A N/A Abnormal Not Recorded N/A Real N/A Relaxed - 15 Rela	Second S	Not Recorded Not
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Driving Position N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A Real N/A N/A N/A Abnormal Abnormal Not Recorded N/A N/A N/A Abnormal Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A Real N/A Relaxed - 15 Relaxed -	Second S	Not Recorded Not
Ease Not Possible Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Possible Driving Position N/A N/A Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded N/A N/A N/A Abnormal Abnormal Not Recorded N/A Relaxed - 75 Gas - 85 Gas - 140 Gas - 75 Gas - 80 Gas - 75 Gas - 80 Gas - 175 Gas - 80 Gas - 175 Relaxed - 70 Relaxed - 70 Relaxed - 70 Relaxed - 90 Relaxed - 135 Relaxed - 1	Second S	Not Recorded Not
Ease Not Possible Not Recorded	Female F	Not Not Not Recorded Not R
Ease Not Possible Not Recorded	Female F	Not Not
Ease Not Possible Not Recorded	Female F	Not Not
Ease Not Possible Not Recorded	Section Gas - 128	N
Ease Not Possible Not Recorded	Section Gas - 128	N
Ease Not Possible Not Recorded Relaxed - 70 Relaxed - 90 Relaxed - 70	Section Gas - 128	N
Ease Not Possible Not Recorded	Section Gas - 128	N

	Test Vehicle Information															
Vehicle Wor			CX					C,	Υ			CZ			DA	
Platform			N-Car					Sign				Epsilon	ıl.		W-Car	
Program			GMX130					GMT				GMX38	30		GMX210	
Model Year			2003					20				2004			2005	
Make			Oldsmobile					Cadi				Chevrol			Chevrolet	
Model			Alero					SR				Malibu			Impala	
VIN		1	G3NF52EX3C109806				10	GYDE6373	340115111			1G1ZT648X4F	147343	20	G1WH52K2592910	69
Mileage			114234					124				15501			84975	
	ed Ignition System Information												-			
	tch Part Number	Not Recorded	Not Recorded	Not Recorded		Not Recor	rded		Not Recorded	Not Recorded		1245013	39	Not Recorded	Not Recorded	Not Recorded
	tch Torque (Ncm)	Not Recorded	Not Recorded	Not Recorded		Not Recor			Not Recorded	Not Recorded	Not Recorded	Not Recorded		Not Recorded	Not Recorded	Not Recorded
System Toro		12.3	15.3	15.3		17.8			17.0	20.1	15.7	13.5	31.6	14.9	16.2	19.3
Pull-down F		Not Recorded	Not Recorded	Not Recorded		23.3			Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	umn Rake Angle (deg)	N/A	N/A	N/A		35			35	35	N/A	N/A	N/A	N/A	N/A	N/A
g	OFF	0	0	0		-7			-7	-7	-3	-3	-3	0	0	0
Key Angle	ACC	30	30	30		30			30	30	33	33	33	32	32	32
	RUN	60	60	60		55			55	55	60	60	60	60	60	60
(dog)	CRANK	98	98	98		86			86	86	93	93	93	90	90	90
Shifter Posit	ion (column/floor)	Floor	Floor	Floor		Floor			Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor
	(column/dash/floor)	Dash	Dash	Dash		Columi			Column	Column	Dash	Dash	Dash	Dash	Dash	Dash
icy i ositioi	Inertial Test	Dusti	Dasii	Dasii		COIGITI			Column	COIGITIIT	Dusii	Dusii	Dusii	Dusii	Dusii	Dusii
Кеу Туре	mertiai rest	Overmold 1	Overmold 1 - New Cut	Overmold 1 - New Cut		Overmol	ld 1		Overmold 1	Overmold 1 - New Cut	Overmold 1	Overmold 1	Overmold 1 - New Cut	Overmold 1	Overmold 1	Overmold 1 - New Cut
Insert Type		None Overmoid I	Clamshell	Two-Piece	 	None			Clamshell	Two-Piece	None	Clamshell	Two-Piece	None	Clamshell	Two-Piece
	Cizo (mm)				 	N/A										
Insert Hole	ide Diameter (mm)	N/A 25	4x6 13	4x6 13	 	N/A 25			4x6 13	4x6 13	N/A 25	4x6 13	4x6 13	N/A 25	4x6 13	4x6 13
		25	13	13		25			13	13	25	13	13	25 1		13
Number of	vey kii iys	'	2	2	1	- 1			2	2	l l	2	2	1	2	2
Special Con	figuration Notes	N/A	N/A	N/A		N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lb)		0.70 0.63	0.70	0.70	0.70	0.63	0.55	0.40	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Cubilete @	10 mph	N N/A	N N	N.	0.70 N		N/A	N/A	N.	N N	N.	N.	N.	N.	N.	N.
	ling Chatter & Angled RR)	N N/A	N	N	N		N/A	N/A	N	N	N	N	N N	N N	N	N N
	r (Hz MPH/3) @ 55 to 45 mph	N N/A	N	N	N		N/A	N/A	N	N	N	N	N N	N	N	N
	RR crossing @ 70+ mph	N N/A	N	N	N		N/A	N/A	N	N	N N	N	N N	N N	N	N N
Pothole #1		Y N	N N	N N	IN V	IV/A	N N	N/A	N	N N	N	N	N N	N N	N	N N
Pothole #2		Y N	N N	N N	I V	1 V	IN V	N N	N	N N	N N	N	N N	N N	N	N N
Panic stop @		N N/A	N	N N	N	N/A	N/A	N/A	N	N N	N N	N	N N	N N	N	N N
Belgian Blog		N N/A	N	N N	N N		N/A	N/A	N	N N	N N	N N	N N	N N	N	N N
beigian bloc	Knee Key Test	IV IV/A	IV	IV	IV	IV/A	IV/A	IN/ A	IN	IV	IN	IN	IN	IV	IN	IN
	kriee key rest	Medium	14.5	N. 10		Mediur			-		Dicc. II	T 41 - 10 - 11 -	N. I.B	14 P		N. I.D I. I
	Ease Delvie - Devitie -		Medium	Not Recorded					Easy	Not Recorded	Difficult	Not Possible	Not Recorded	Medium	Easy	Not Recorded
	Driving Position	Abnormal	Abnormal	Not Recorded		Abnorm Gas – 12			Abnormal	Not Recorded	Not Recorded	N/A	Not Recorded	Abnormal	Abnormal	Not Recorded
5% Female		Gas - 140	Gas - 135						Gas – 115		Gas - 155	Gas - 150		Gas - 150	Gas - 155	
	Knee Distance from Key (mm)	Brake - 110	Brake - 105	Not Recorded		Brake – 1			Brake – 100	Not Recorded	Brake - 120	Brake - 115	Not Recorded	Brake - 110	Brake - 130	Not Recorded
		Relaxed - 90	Relaxed - 85			Relaxed -			Relaxed – 80		Relaxed - 140	Relaxed - 135		Relaxed - 85	Relaxed - 90	
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Not Recorded	 	Not Recor			Not Recorded	Not Recorded	Not Recorded	Not Recorded		Not Recorded	Not Recorded	Not Recorded
	Ease	Easy	Easy	Not Recorded	ļ	Mediur			Easy	Not Recorded	Not Possible	Not Recorded		Easy	Easy	Not Recorded
	Driving Position	Abnormal	Abnormal	Not Recorded		Abnorm			Abnormal	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Abnormal	Abnormal	Not Recorded
		Gas - 195	Gas - 190			Gas – 12			Gas – 124		Gas - 230	Gas - 225		Gas - 180	Gas - 174	
50% Male	Knee Distance from Key (mm)	Brake - 185	Brake - 180	Not Recorded		Brake – 1			Brake - 115	Not Recorded	Brake - 225	Brake - 220	Not Recorded	Brake - 180	Brake - 175	Not Recorded
	Knee Distance from Fob (mm)	Relaxed - 190 Not Recorded	Relaxed - 185 Not Recorded	Not Recorded		Relaxed – Not Recor			Relaxed – 140 Not Recorded	Not Recorded	Relaxed - 270 Not Recorded	Relaxed - 260 Not Recorded	Not Recorded	Relaxed - 155 Not Recorded	Relaxed - 150 Not Recorded	Not Recorded
	F	F	N-+ D	Net De 11 1	1	Diee:	l+		Net De 1 1	N-+ D 1 - 1	M- "	F	N-4 D	F	F-	Net Dec. 1.1
	Ease Debite - Parities	Easy	Not Recorded	Not Recorded	 	Difficul			Not Recorded	Not Recorded	Medium	Easy	Not Recorded	Easy	Easy	Not Recorded
	Driving Position	Abnormal	Not Recorded	Not Recorded	 	Abnorm			Not Recorded	Not Recorded	Abnormal	Abnormal	Not Recorded	Abnormal	Abnormal	Not Recorded
95% Male	Knee Distance from Key (mm)	Gas - 100 Brake - 97 Relaxed - 95	Not Recorded	Not Recorded		Gas – 6 Brake – ! Relaxed –	52		Not Recorded	Not Recorded	Gas - 60 Brake - 55 Relaxed - 100	Gas - 50 Brake - 47 Relaxed - 90	Not Recorded	Gas - 90 Brake - 110 Relaxed - 80	Gas - 50 Brake - 40 Relaxed - 60	Not Recorded
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Not Recorded		Not Recor	rded		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Hang Tag Test															
Condition P	ossible? (Yes/No)	No	No	Not Recorded		Yes			Yes	Not Recorded	No	No	Not Recorded	No	No	Not Recorded
	Comments	Standard leather tag does not contact steering wheel in the full range of column tilf positions. Not able to produce a hang tag condition.	t Not Recorded	Not Recorded		Possible, but r	not easy		Possible, but not easy	Not Recorded	Not Recorded	Not Recorded	Not Recorded	175mm from steering wheel to key head	Not Recorded	Not Recorded

	Test Vehicle Information												
Vehicle Wor				DB			DC				DD		
Platform				W-Car			W-Ca				W-Car		
Program				GMX230			GMX3				GMX211		
Model Year				2005			2006				2006		
Make				Chevrolet			Buick				Chevrole	et	
Model				Monte Carlo			LaCros				Impala		
VIN			2G1\	VX12K559382915	5		2G4WD58226				2G1WS581669	337021	
Mileage				136860			6374	0			67901		
	ed Ignition System Information												
	tch Part Number	Not Rec			Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded		Not Recorded	Not Recorded
	tch Torque (Ncm)	Not Rec	orded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
System Toro		15.		14.4	16.2	17.5	17.5	16.6	17.8	23.7	21.8	20.3	Not Recorded
Pull-down F		Not Rec		Not Recorded		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded		Not Recorded	Not Recorded
Steering Col	lumn Rake Angle (deg)	N/A		N/A	N/A	35	35	35	35	35	35	35	35
	OFF	0		0	0	-15	-15	-15	-15	-5	-5	-5	-5
Key Angle	ACC	33		33	33	40	40	40	40	35	35	35	35
(deg)	RUN	62		62	62	60	60	60	60	60	60	60	60
	CRANK	92		92	92	90	90	90	90	87	87	87	87
	tion (column/floor)	Floo		Floor	Floor	Column	Column	Column	Column	Floor	Floor	Floor	Floor
Key Position	(column/dash/floor)	Das	h	Dash	Dash	Column	Column	Column	Column	Column	Column	Column	Column
v T	Inertial Test			1 -									
Key Type		Overm		Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1 - New Cut	Overmold 1	Overmold 1	Overmold 1	Overmold 1	Overmold 1
Insert Type		Nor		Clamshell	Two-Piece	None	None	Clamshell	Two-Piece	None	Clamshell	Two-Piece	Counterfeit Hole
Insert Hole S		N/A		4x6	4x6	N/A	N/A	4x6	4x6	N/A	4x6	4x6	5
	ide Diameter (mm)	25	i	13	13	25	25	13	13	25	13	13	13
Number of I	Key Rings	1		2	2	1	1	2	2	1	2	2	2
Special Cont	figuration Notes	N//	A	N/A	N/A	N/A	Pothole Re-Test	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lb)		0.70	0.63	0.70	0.70	0.70 0.42 0.55 0.40	0.70 0.63 0.55 0.40	0.70	0.70	0.70 0.63 0.55 0.40 0.30	0.70	0.70	0.70
Cubilete @	10 mph	0.70 N	N/A	0.70	0.70		N/A N/A N/A N/A	0.70 N	0.70 N	N N/A N/A N/A N/A	0.70 N	0.70 N	0.70 N
	ding Chatter & Angled RR)	N	N/A	N N	N N		N/A N/A N/A N/A	N N	N N	N N/A N/A N/A N/A	N N	N N	N N
	r (Hz MPH/3) @ 55 to 45 mph	N	N/A	N N	N N		N/A N/A N/A N/A	N N	N N	Y N N/A N/A N/A N/A	N N	N N	N N
	RR crossing @ 70+ mph				N N			N N			N N	N N	N N
Pothole #1		N N	N/A N/A	N N	N N	N N/A N/A N/A	N/A N/A N/A N/A N Y N N	N N	N N	Y Y Y N N/A Y Y Y N N/A	N N	N N	N N
Pothole #2		N		N N	N N			N N	N N		N N		N N
Panic stop @		N	N/A N/A	N N	N N		N/A N/A N/A N/A	N N	N N	Y Y Y Y N N N/A N/A N/A N/A	N N	N N	N N
Belgian Bloc		Y & N	N	N	N		N/A N/A N/A N/A	N N	N N	N N/A N/A N/A N/A	N	N	N
beigiai i bioc	Knee Key Test	I & IV	IV	IN	IN	N N/A N/A N/A	IN/A IN/A IN/A IN/A	IV	IN	N N/A N/A N/A N/A	IN	IN	IN
	Ţ	Diffic	ult	Difficult	Not Recorded	Not Possible	Not Recorded	Not Possible	Not Recorded	Not Possible	Not Possible	Not Recorded	Not Recorded
	Ease Driving Position	Abnor		Abnormal	Not Recorded	N/A	Not Recorded	N/A	Not Recorded	N/A	N/A	Not Recorded	Not Recorded
	Driving Position	Gas -			NOT RECOIDED	Gas – 125	Not recorded	Gas – 170	NOT RECOIDED	Gas - 200		Not Recorded	Not Recorded
5% Female	Knee Distance from Key (mm)	Brake -		Gas - 165 Brake - 140	Not Recorded	Brake – 110	Not Recorded	Brake – 105	Not Recorded	Brake - 155	Gas - 195 Brake - 150	Not Recorded	Not Recorded
	knee bistance from key (min)	Relaxed		Relaxed - 100	Not Recorded	Relaxed – 155	Not recorded	Relaxed – 150	Not Recorded	Relaxed - 150	Relaxed - 145	Not Recorded	Not Recorded
	Knee Distance from Fob (mm)	Not Rec		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Fase	Medi		Medium	Medium	Not Possible	Not Recorded	Not Possible	. aut noturaeu	Not Possible	Not Possible	Not Recorded	Not Recorded
	Driving Position	Abnor		Abnormal	Abnormal	N/A	Not Recorded	N/A		N/A	N/A	Not Recorded	Not Recorded
	Silving Control	Gas -		Gas - 195	Gas - 200	Gas – 195	. Iot noorada	Gas – 192	Gas – 195	Gas - 215	Gas - 212	ot necorded	.40t Necorded
	Knee Distance from Key (mm)	Brake -		Brake - 205	Brake - 210	Brake – 195	Not Recorded	Brake – 190	Brake – 195	Brake - 200	Brake - 205	Not Recorded	Not Recorded
50% Male	Sistance irom kej (iliin)	Relaxed		Relaxed - 200	Relaxed - 205	Relaxed – 173		Relaxed – 170	Relaxed – 173	Relaxed - 223	Relaxed - 215	ot notoracu	ot notoracu
	Knee Distance from Fob (mm)	Not Rec		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Ease	Eas	у	Easy	Not Recorded	Not Possible	Not Recorded	Not Possible	Not Recorded	Not Possible	Not Possible	Not Recorded	Not Recorded
	Driving Position	Abnor		Abnormal	Not Recorded	N/A	Not Recorded	N/A	Not Recorded	N/A	N/A	Not Recorded	Not Recorded
	ŭ	Gas -		Gas - 55		Gas – 155		Gas – 150		Gas - 145	Gas - 140		
OEO/ Mal-	Knee Distance from Key (mm)	Brake		Brake - 40	Not Recorded	Brake - 135	Not Recorded	Brake - 130	Not Recorded	Brake - 130	Brake - 125	Not Recorded	Not Recorded
95% Male	, ,	Relaxed		Relaxed - 55		Relaxed – 165		Relaxed – 160		Relaxed - 165	Relaxed - 160		
	Knee Distance from Fob (mm)	Not Rec		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Hang Tag Test								1				
Condition Po	ossible? (Yes/No)	No)	No	Not Recorded	Yes	Not Recorded	Yes	Not Recorded	Yes	Yes	Not Recorded	Not Recorded
	Comments	Not Rec		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded

1/ 1 : 1 14/																		
venicle wor	Test Vehicle Information rkbook					DI	E				DF			DG			DH	
Platform						W-0					W-Car			H-Car			K-Car	
Program						GMX					GMX365			GMX222			GMX272	
Model Year						200					2007			2007			2007	
Make						Chevi					Buick			Buick			Cadillac	
Model						Monte					Allure			Lucerne			DTS	
VIN					-		569230397			2	G4WJ582371247596			1G4HP57287U116919	0	10	66KD57Y67U168	10
Mileage						1486					144884			68153	,	10	88104	713
	- d Iiti Ct Iti					1480	080				144004			00103			88104	
	ed Ignition System Information																	
	tch Part Number			Not Recorde			Not Recorded		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded		Not Recorded	
	tch Torque (Ncm)		N	Not Recorde	d		Not Recorded		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded		Not Recorded	
System Toro				22.4			18.5	18.2	17.5	22.9	20.9	22.4	20.6	20.2	21.7	16.6	14.4	15.7
Pull-down F			N	Not Recorde	d		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Steering Col	lumn Rake Angle (deg)			30			30	30	30	35	35	35	30	30	30	35	35	35
	OFF			-12			-12	-12	-12	-15	-15	-15	-10	-10	-10	-6	-6	-6
Key Angle	ACC			40			40	40	40	40	40	40	30	30	30	40	40	40
(deg)	RUN			60			60	60	60	60	60	60	60	60	60	65	65	65
	CRANK			90			90	90	90	90	90	90	87	87	87	96	96	96
	tion (column/floor)			Floor			Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor
	(column/dash/floor)			Column			Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
noy i osition	Inertial Test			Joidinil			COIGITIII	COIGITIT	COIGITIII	- COLGITATI	COIGITIT	COIGITIT	ooidiiiii	COIGITIT	COIGITIII	COIGITIT	COIGITIIT	COIGITIII
Koy Tyroo	merciai resc			0			0	0	Ourseld 1	Overmold 1	Overmold 1 - New Cut	Overmold 1	Ourses and d	Ourse ald 1	Overmeld 1 New Cot	0	Ourseld 1	Ourseld f
Key Type		-	(Overmold 1			Overmold 1	Overmold 1	Overmold 1	Overmold 1		Overmold 1	Overmold 1	Overmold 1	Overmold 1 - New Cut	Overmold 1	Overmold 1	Overmold 1
Insert Type	0' ()			None			Clamshell	Two-Piece	Counterfeit Hole	None	Clamshell	Two-Piece	None	Clamshell	Two-Piece	None	Clamshell	Two-Piece
Insert Hole S				N/A			4x6	4x6	5	N/A	4x6	4x6	N/A	4x6	4x6	N/A	4x6	4x6
	ide Diameter (mm)			25			13	13	13	25	13	13	25	13	13	25	13	13
Number of I	Key Rings			1			2	2	2	1	2	2	1	2	2	1	2	2
Special Conf	figuration Notes			N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lb)		0.70	0.63	0.55	0.40	0.30	0.70	0.70	0.70	0.70 0.63 0.55 0.40	0.70	0.70	0.70 0.63 0.55 0.40	0.70	0.70	0.70 0.63 0.55	0.70	0.70
Cubilete @ 1	10 mph	0.70	N/A	N/A	N/A	N/A	0.70 N	0.70 N	0.70 N	N N/A N/A N/A	0.70 N	0.70	N N/A N/A N/A		0.70 N	N N/A N/A	0.70 N	0.70 N
	ding Chatter & Angled RR)	N	N/A	N/A	N/A	N/A	N N	N	N N	N N/A N/A N/A	N N	N	N N/A N/A N/A		N N	N N/A N/A	N N	N
	r (Hz MPH/3) @ 55 to 45 mph	N			N/A	N/A		N			N N	N			N N		IN .	N
	r (HZ MPH73) @ 55 to 45 mpn I RR crossing @ 70+ mph		N/A	N/A			N		N	N N/A N/A N/A			N N/A N/A N/A			N N/A N/A	IN .	
		N	N/A	N/A	N/A	N/A	N	N	N	N N/A N/A N/A	N	N	N N/A N/A N/A		N	N N/A N/A	N	N
Pothole #1 @		N	N/A	N/A	N/A	N/A	N	N	N	Y Y N N/A		N	N N/A N/A N/A		N	N N/A N/A		N
Pothole #2 @		Υ	Υ	Υ	Υ	N	N	N	N	Y Y Y N	N	N	Y Y Y N	N	N	Y Y N	N	N
Panic stop @		N	N/A	N/A	N/A	N/A	N	N	N	N N/A N/A N/A	N	N	N N/A N/A N/A		N	N N/A N/A		N
Belgian Bloc		N	N/A	N/A	N/A	N/A	N	N	N	N N/A N/A N/A	N	N	N N/A N/A N/A	N	N	N N/A N/A	N	N
	Knee Key Test																	
	Ease		1	Not Possible	9		Difficult	Not Recorded	Not Recorded	Difficult	Difficult	Not Recorded	Not Possible	Not Possible	Not Recorded	Not Possible	Not Possible	Not Recorded
	Driving Position			N/A			Abnormal	Not Recorded	Not Recorded	Abnormal	Abnormal	Not Recorded	N/A	N/A	Not Recorded	N/A	N/A	Not Recorded
				Gas - 215			Gas - 210			Gas – 200	Gas – 190		Gas - 210	Gas - 205		Gas - 205	Gas - 200	
5% Female	Knee Distance from Key (mm)			Brake - 160			Brake - 155	Not Recorded	Not Recorded	Brake - 150	Brake – 140	Not Recorded	Brake - 165	Brake - 160	Not Recorded	Brake - 180	Brake - 175	Not Recorded
	inice bistance nonnitely (min)			Relaxed - 16			Relaxed - 160	Not necorded	. Not necoraca	Relaxed – 160	Relaxed – 155	THO CHOOD GOO	Relaxed – 155	Relaxed – 150	Teot Nocoraca	Relaxed - 155	Relaxed - 150	not necoraca
	Knee Distance from Fob (mm)			lot Recorde			Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Ease			Not Possible			Not Possible	Not Possible	Not Recorded	Medium	Easy	Not Recorded	Not Possible	Not Recorded Not Possible	Not Recorded	Difficult	Medium	Not Recorded
	Driving Position			N/A			N/A	N/A	Not Recorded	Abnormal	Abnormal	Not Recorded	N/A	N/A	Not Recorded	Abnormal	Abnormal	Not Recorded
	Driving rosition			Gas - 240			Gas - 235	Gas - 240	NOT VECOLUED	Gas – 215	Gas – 210	MOT VECOLUED	Gas – 230	Gas – 127	NOT RECOIDED	Gas - 200		MOT VECOLUED
	Knoo Dictores from K ()			Brake - 215					Not Do	Brake – 210		Not Do	Brake – 212		Not Do		Gas - 195	Not Do
50% Male	Knee Distance from Key (mm)			вгаке - 215 Relaxed - 23			Brake - 210 Relaxed - 225	Brake - 215 Relaxed - 230	Not Recorded	Relaxed – 210	Brake – 205 Relaxed – 205	Not Recorded	Relaxed – 212	Brake – 206 Relaxed – 230	Not Recorded	Brale - 190 Relaxed - 190	Brake - 185 Relaxed - 180	Not Recorded
	Knee Distance from Fob (mm)			Not Recorde			Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Ease		١	Not Possible	9		Not Possible	Not Recorded	Not Recorded	Medium	Medium	Not Recorded	Not Possible	Not Possible	Not Recorded	Not Possible	Not Possible	Not Recorded
	Driving Position			N/A			N/A	Not Recorded	Not Recorded	Abnormal	Abnormal	Not Recorded	N/A	N/A	Not Recorded	N/A	N/A	Not Recorded
	3			Gas - 135			Gas - 99			Gas – 100	Gas – 95		Gas – 118	Gas – 85		Gas - 135	Gas - 130	
	Knee Distance from Key (mm)			Brake - 98			Brake - 88	Not Recorded	Not Recorded	Brake – 90	Brake – 85	Not Recorded	Brake – 109	Brake – 95	Not Recorded	Brake - 120	Brake - 115	Not Recorded
95% Male				Relaxed - 60	1		Relaxed - 50			Relaxed – 100	Relaxed – 86	st neconded	Relaxed – 147	Relaxed – 135	THOU THOUGH GOOD	Relaxed - 145	Relaxed - 140	st neconded
			r	ricianca / UC	•		ciaxca - 30			ACIDACU - 100	Noiaxed - 00		ACIGACG - 147	Acidacu - 133		axcu - 143	Noidacu - 140	
	Knee Distance from Fob (mm)		N	Not Recorde	d		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
0	Hang Tag Test								N. I.B	V		N 10	V	V .	N. I.D		V	
Condition Po	ossible? (Yes/No) Comments		Buttons	Yes s on steerin	g wheel		Yes Not Recorded	Not Recorded Not Recorded	Not Recorded Not Recorded	Possible, 65mm from key head to button crevice	Possible with just tag. However the use of two 13 mm ID rings mitigates the hang tag condition.	Not Recorded Not Recorded	Possible – Buttons on back of steering wheel. Minimum key to crevice distance 70mm	Yes Using no rings (just tag ring slightly improve tag stability to catch). Using two 13 mm ID rings significantly reduces hang tag condition.	Not Recorded Not Recorded	Yes Not Recorded	Yes Not Recorded	Not Recorded Not Recorded

	Test Vehicle Information													
Vehicle Wor			DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT
Platform		W-	Car	S/T Truck	Gamma II	C/K Truck	G-Van	C/K Truck	G-Van	Lambda	Epsilon I	Epsilon II	Epsilon II	Epsilon I
Program		GMX		31XXN	G1UC	K2XX	GMT610	GMT900	GMT610	GMT967	GMX384	GMX352	GMX351	GMX386
Model Year		20	114	2015	2013	2014	2012	2011	2014	2014	2009	2014	2014	2012
Make		Chev	rolet	Chevrolet/GMC	Chevrolet	GMC	Chevrolet	GMC	Chevrolet	Buick	Saturn	Chevrolet	Chevrolet	Chevrolet
Model		Impala	Police	Colorado/Canyon	Тгах	Sierra 1500LD	Express	Sierra 1500LD	Express 3500HD	Enclave	Аига	Impala	Malibu	Malibu
VIN		2G1WD5E3	8E1100009	1GC91NEA0FX2705EX	3GNCJKEB6DL0026EX	3GTU2TEH3EG100043	1GCSGAF41C1100028	3GTP2WE30BG138067	1GCZGTFL7E10026EX	5GAKVCKD1EJ199042	1G8ZX57769F210254	2G1155S36E9108056	1G11C5SL0EU109387	1G1ZC5E05CF323247
Mileage		15	78	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	77506	Not Recorded	Not Recorded	13624
Keve	ed Ignition System Information													
	tch Part Number	Not Re	corded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	tch Torque (Ncm)	Not Re		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
System Toro			1.2	Not Recorded	Not Recorded	Not Recorded	18.3	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Pull-down F			1.2	> 49	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	>49	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	umn Rake Angle (deg)	3		25.0	25.0	35	35	30	35	25	N/A	30	30	N/A
3	OFF		18	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Key Angle	ACC		5	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	RUN	6		23	20	53	54	49	54	25	60	24	23	60
(dog)	CRANK		0	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Shifter Posit	ion (column/floor)	Colu		Floor	Floor	Column	Column	Column	Column	Floor	Floor	Floor	Floor	Floor
	(column/dash/floor)	Colu		Column	Column	Column	Column	Column	Column	Column	Dash	Column	Column	Dash
	Inertial Test	COII		Jointin	GOIGHIN	Join III	Solumn	oolaiiii	oolalilii	oolalliii	54311	ocidiiii	oolaiiii	50311
Кеу Туре	mertiai rest	Overmold 1	Overmold 1	Gen 2 Flip Key	Gen 1 Flip Key	Overmold 3	Overmold 1	Overmold 1	Overmold 3	Overmold 1	Overmold 1	Gen 1 Flip Key	Gen 1 Flip Key	Overmold 1
Insert Type		None	Two-Piece Insert	None	None	None	None	None	None None	None	None	None None	None None	None
Insert Hole S	Size (mm)	N/A	4x6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ide Diameter (mm)	25	16	N/A 25	25	25	N/A 25	N/A 25	N/A 25	N/A 25	N/A 25	N/A 25	N/A 25	25
Number of I		25	2	25 1	25 1	Z0 1	25 1	1	25 1	25 1	Z0 1	25 1	25 1	25 1
ivumber of t	vey milys	<u> </u>		 	Inertial Test Not			Inertial Test Not	'	1	<u> </u>	Inertial Test Not	Inertial Test Not	
					Performed (Vehicle	Inertial Test Not	Inertial Test Not	Performed (Vehicle	Inertial Test Not		Inertial Test Not	Performed (Vehicle	Performed (Vehicle	Inertial Test Not
Special Cont	figuration Notes	N/A	N/A	Inertial Test Not	Only Used to Collect	Performed (Vehicle Only	Performed (Vehicle	Only Used to Collect	Performed (Vehicle	Inertial Test Not	Performed (Vehicle	Only Used to Collect	Only Used to Collect	Performed (Vehicle Only
Special Colli	igui attori Notes	IN/A	IV/A	Peformed	Ign Sw Acceleration	Used to Collect Ign Sw	Only Used to Collect Ign	Ign Sw Acceleration	Only Used to Collect Ign	Performed	Only Used to Collect Ign	Ign Sw Acceleration	Ign Sw Acceleration	Used to Collect Ign Sw
					Data)	Acceleration Data)	Sw Acceleration Data)	Data)	Sw Acceleration Data)		Sw Acceleration Data)	Data)	Data)	Acceleration Data)
Weight (lb)		0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
	10 mph	0.70	0.70											
Cubilete @		N N	N N	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	ling Chatter & Angled RR)			Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	r (Hz MPH/3) @ 55 to 45 mph	N	N	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	RR crossing @ 70+ mph	N	N	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Pothole #1		N	N	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Pothole #2		N N	N	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Panic stop @		N N	N N	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Belgian Bloc		N	N	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Knee Key Test													
	Ease	Not Recorded	Not Recorded	Medium	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Easy	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Driving Position	Not Recorded	Not Recorded	Abnormal	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Abnormal	Not Recorded	Not Recorded	Not Recorded	Not Recorded
5% Female														
	Knee Distance from Key (mm)	Not Recorded	Not Recorded	Gas - 127	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 140	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 57	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Ease	Not Recorded	Not Recorded	Easy	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Medium	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Driving Position	Not Recorded	Not Recorded	Abnormal	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Abnormal	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	g													
50% Male	Knee Distance from Key (mm)	Not Recorded	Not Recorded	Gas - 159	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 178	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 102	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Ease	Not Recorded	Not Recorded	Easy	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Difficult	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Driving Position	Not Recorded	Not Recorded	Normal	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Abnormal	Not Recorded	Not Recorded	Not Recorded	Not Recorded
							1							
95% Male	Knee Distance from Key (mm)	Not Recorded	Not Recorded	Gas - 85	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 87	Not Recorded	Not Recorded	Not Recorded	Not Recorded
, c /o IVIGIC														
										1		1		
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 0	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Hong Tog To-+													
	Hang Tag Test													
Condition P	ossible? (Yes/No)	Not Re	corded	Yes	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	No	Not Recorded	Not Recorded	Not Recorded	Not Recorded
							İ							
		1					l					l	l	
	Comments	Not Re	corded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
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							İ							
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Case 1:14-md-02543-JMF Document 5856-6 Filed 07/20/18 Page 29 of 34 Appendix D: Results Summary

	Test Vehicle Information	1														
Vehicle Wo			DU				DV				DW		DX	DY	D	07
Platform	THE CON		S/T Truck				7eta				D2		D2	G-Van	Fosil	
Program			31XXN				GMX521				D2XX		D2XX	GMT610	GM)	X352
Model Year			2015				2014				2016		2016	2012		014
Make			Chevrolet/GMC	;			Chevrolet				Chevrolet		Chevrolet	Chevrolet	Chev	/rolet
Model			Colorado/Canyo	n			Camaro				Cruze		Cruze	Express	Imp	oala
VIN		10	GT9TVE34FX2519	9EX			2G1FF1E37E90	061EX		WO	LOB1V69FPP003	EX	W0L0B1V69FPP018EX	1GCSGAFXXC10003EX	1G1125S35	5EU117732
Mileage			Not Recorded				Not Recorde	ed			Not Recorded		Not Recorded	Not Recorded	Not Re	corded
Key	ed Ignition System Information															
	tch Part Number		Not Recorded		Not Recorded		Not Recorded	Not Recorded	Not Recorded	Not Recorded		corded	Not Recorded	Not Recorded		corded
	tch Torque (Ncm)		Not Recorded		Not Recorded	18.1	Not Recorded	Not Recorded	Not Recorded	Not Recorded		corded	Not Recorded	Not Recorded		corded
System Toro			37.3		Not Recorded	20.6	Not Recorded	Not Recorded	Not Recorded	18.7		corded	20.5	25.1		1.4
Pull-down F			Not Recorded		>49	22.2	>49	>49	Not Recorded	Not Recorded	Not Re		Not Recorded	> 49		49
Steering Co	lumn Rake Angle (deg)		26.0		21	21	21	21	21	26		!6	26	37		27
Vov Anglo	OFF		Not Recorded Not Recorded		Not Recorded Not Recorded	Not Recorded	Not Recorded Not Recorded	Not Recorded Not Recorded	Not Recorded Not Recorded	Not Recorded Not Recorded	Not Re Not Re	corded	Not Recorded Not Recorded	Not Recorded Not Recorded		corded corded
Key Angle (deg)	ACC RUN		22		112	78	Not Recorded 22	22	22	53		4	53	Not Recorded 55		corded 3
(deg)	CRANK		Not Recorded		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Re		Not Recorded	Not Recorded	Not Re	
Shifter Peci	tion (column/floor)		Floor		Floor	Floor	Floor	Floor	Floor	Floor		oor	Floor	Column		DOF
	(column/dash/floor)		Column		Column	Column	Column	Column	Column	Column		umn	Column	Column	Colu	
Key i ositioi	Inertial Test		COIGITIII		Column	COIGITIIT	COIGITIII	Coldinin	Column	COIGITIII	CON	ullili	Coldillii	COIGITIIT	COIC	ullill
Key Type	mertiai rest	Overmold 2	Overmold 2	Overmold 2	Gen 1 Flip Key	Gen 1 Flip Key	Overmold 2	Overmold 2	Overmold 2	Gen 1 Flip Key	Overmold 2	Overmold 2	Gen 1 Flip Key	Overmold 1	Gen 1 F	Flin Kev
Insert Type		None None	None None	None	None	None	None	One-Piece	One-Piece Half Removed	None	None	One-Piece	None	None		one
Insert Hole	Size (mm)	N/A	4x4	4x6	N/A	N/A	N/A	4x4	4x4	N/A	N/A	4x4	N/A	N/A		/A
	ide Diameter (mm)	13	13	13	Not Recorded	25	13	13	13	25	13	13	25	25		25
Number of		2	2	2	Not Recorded	1	2	2	2	1	2	2	1	1		1
				_			_					_				
										5						
Special Con	figuration Notes	N/A	N/A	N/A	Inertial Test Not Performed	Rotated Lock Cylinder	N/A	N/A	N/A	Rotated Lock Cylinder	N/A	N/A	Rotated Lock Cylinder	N/A	N.	/A
					Performed	Cylinder				Cylinder						
Weight (lb)		0.70	0.70	0.70	Not Recorded	0.70	0.70 0.63	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.	70
Cubilete @		N	N	N	Not Recorded	N	N N	N	N	N	N	N	N	N	1	N
	ding Chatter & Angled RR)	N	N	N	Not Recorded	N	N N	N	N	N	N	N	N	N		N
	r (Hz MPH/3) @ 55 to 45 mph	N	N	N	Not Recorded	N	N N	N	N	N	N	N	N	N		N
	I RR crossing @ 70+ mph	N	N	N N	Not Recorded	N	N N	N	N .	N	N	N	N	N		N
Pothole #1		N N	N N	N N	Not Recorded	N N	Y&N Y&N	N	N N	N	N N	N	N	N N		N N
Pothole #2 Panic stop		N N	N N	N N	Not Recorded Not Recorded	N N	N N	N N	N N	N N	N N	N N	N N	N N		N N
Belgian Blog		N	N N	N N	Not Recorded	N	N N	N	N N	Not Recorded	N N	N	N N	N N		N
beigian bloc	Knee Key Test	IV	IN IN	IV.	Not Recorded	IV	IN IN	IV	IN	Not Recorded	- IN	IV	IV	IN		N .
	Ease	Not Recorded	Difficult	Not Recorded	Easy	Not Recorded	Not Recorded	Easy	Not Recorded	Not Recorded	Not Recorded	Medium	Not Recorded	Not Possible	Difficult	Easy
	Driving Position	Not Recorded	Abnormal	Not Recorded	Abnormal	Not Recorded	Not Recorded	Abnormal	Not Recorded		Not Recorded	Abnormal	Not Recorded	N/A	Abnormal	Abnormal
F0/ F																
5% Female	Knee Distance from Key (mm)	Not Recorded	Gas - 135	Not Recorded	Gas - 100	Not Recorded	Not Recorded	Gas - 125	Not Recorded	Not Recorded	Not Recorded	Gas - 120	Not Recorded	Gas - 232	Gas - 100	Gas - 60
	3. ,															
	Knee Distance from Fob (mm)	Not Recorded	Gas - 60	Not Recorded	N/A	Not Recorded	Not Recorded	Gas - 50	Not Recorded	Not Recorded	Not Recorded	Gas - 35	Not Recorded	Gas - 143	N/A	N/A
	Ease	Not Recorded	Difficult	Not Recorded	Easy	Not Recorded	Not Recorded	Easy	Not Recorded	Not Recorded	Not Recorded	Easy	Not Recorded	Difficult	Easy	Easy
	Driving Position	Not Recorded	Abnormal	Not Recorded	Abnormal	Not Recorded	Not Recorded	Abnormal	Not Recorded	Not Recorded	Not Recorded	Abnormal	Not Recorded	Abnormal	Abnormal	Abnormal
50% Male	Knee Distance from Key (mm)	Not Recorded	Gas - 170	Not Recorded	Gas - 133	Not Recorded	Not Recorded	Gas - 125	Not Recorded	Not Recorded	Not Recorded	Gas - 155	Not Recorded	Gas - 267	Gas - 160	Gas - 155
	v 5:		0 05		21/2			0	No. 10	N . D		0 400		0 404	***	21/2
	Knee Distance from Fob (mm)	Not Recorded	Gas - 95	Not Recorded	N/A	Not Recorded	Not Recorded	Gas - 55	Not Recorded	Not Recorded	Not Recorded	Gas - 100	Not Recorded	Gas - 184	N/A	N/A
	r	Net December	Net Dessible	Net December	Fami	Net December	Not Recorded	Difficult	Net Deceded	Net December	Net December	Difficult	Net December	N-+ D:bl-	Net Descible	Net Dessible
	Ease Driving Position	Not Recorded Not Recorded	Not Possible N/A	Not Recorded Not Recorded	Normal	Not Recorded Not Recorded	Not Recorded	Abnormal	Not Recorded Not Recorded	Not Recorded Not Recorded	Not Recorded Not Recorded	Abnormal	Not Recorded Not Recorded	Not Possible N/A	Not Possible N/A	Not Possible N/A
	Driving rosition	INOT RECORDED	IN/PA	NOT RECORDED	INOTHIA	NOT RECORDED	NOT RECORDED	ADITIOTITIES	NOT KELUTURU	NOT RECORDED	INOT LICEOUGE	ADDITIO	NOT RECOLUED	IV/M	IV/M	IV/A
	Knee Distance from Key (mm)	Not Recorded	Gas - 95	Not Recorded	Gas - 62	Not Recorded	Not Recorded	Gas - 65	Not Recorded	Not Recorded	Not Recorded	Gas - 80	Not Recorded	Gas - 175	Gas - 89	Gas - 89
95% Male	knee bistance from key (film)	Not recorded	003 - 73	Not recorded	043 - 02	Not recorded	THOU NOODI GOG	043 - 05	Not recorded	Not recorded	Not recorded	043 - 00	NOT NECOTACA	043-175	043 - 07	043 - 07
			Gas - 20	Not Recorded	N/A	Not Recorded	Not Recorded	Gas - 0	Not Recorded	Not Recorded	Not Recorded	Gas - 0	Not Recorded	Gas - 102	N/A	N/A
	Knee Distance from Fob (mm)	Not Recorded			1						···· -			-		
	Knee Distance from Fob (mm)	Not Recorded	Gas - 20												1	
	Knee Distance from Fob (mm) Hang Tag Test	Not Recorded	G83 * 20													
Condition P	, ,	Not Recorded Not Recorded	Yes	Not Recorded	No	Not Recorded	Not Recorded	Yes	Not Recorded	Not Recorded	Not Recorded	Yes	Not Recorded	No	No	No
Condition P	Hang Tag Test			Not Recorded	No	Not Recorded	Not Recorded	Yes	Not Recorded	Not Recorded	Not Recorded	Yes	Not Recorded	No	No	No
Condition P	Hang Tag Test			Not Recorded	No	Not Recorded	Not Recorded	Yes	Not Recorded	Not Recorded	Not Recorded	Yes	Not Recorded	No	No	No
Condition P	Hang Tag Test			Not Recorded	No	Not Recorded	Not Recorded	Yes	Not Recorded	Not Recorded	Not Recorded	Yes	Not Recorded	No	No	No
Condition P	Hang Tag Test ossible? (Yes/No)	Not Recorded	Yes													
Condition P	Hang Tag Test		Yes	Not Recorded Not Recorded	No Not Recorded	Not Recorded Not Recorded	Not Recorded Not Recorded	Yes Not Recorded	Not Recorded Not Recorded	Not Recorded Not Recorded	Not Recorded Not Recorded	Yes Not Recorded	Not Recorded Not Recorded	No Not Recorded		No Not Recorded
Condition P	Hang Tag Test ossible? (Yes/No)	Not Recorded	Yes													
Condition P	Hang Tag Test ossible? (Yes/No)	Not Recorded	Yes													

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	Test Vehicle Information																
Vehicle Wo					EA			EB	EC	ED	EE	EF	EG	EH	EI		EJ
Platform				C	C/K Truck			Global Mini	Gamma II	Delta II	Sigma II	Zeta	Theta	Delta II	W-Car	Eps	lon II
Program					K2XX			M2XX	T300	D1SB	GMX322	GMX551	GMT319	D1SC	GMX211		X351
Model Year	-				2015			2017	2014	2015	2013	2014	2015	2014	2014	20)15
Make					hevrolet			Chevrolet	Chevrolet	Buick	Cadillac	Chevrolet	Chevrolet	Chevrolet	Chevrolet		vrolet
Model					rado 2500HD			Spark	Sonic	Verano	CTS	Caprice	Captiva	Cruze	Impala Limited		ılibu
VIN					WEG3FF10355	i5		KL8CJ6S88DDCM00429	1G1JG6SB9E4100026	1G4PS5SK5F4100032	1G6DL5E32D0122375	6G3NS5U28EL902848	3GNAL7EK4FS500427		2G1WA5E3XE1131061		XFF100005
Mileage				Not	t Recorded			Not Recorded	Not Recorded	3139	20069	4685	7387	1559	1703	8	06
	ed Ignition System Information																
	itch Part Number				t Recorded			Not Recorded	Not Recorded	20939745	20965947	94737994	95919456	20939745	25757645		39745
	itch Torque (Ncm)			INO	t Recorded 17.3			Not Recorded 18.2	Not Recorded 15.5	27.2 36.4	17.9 20.9	10.1 13.9	10.6 10.0	27.3 31.8	11.4 22.2		7.4
System Toro Pull-down F	que (NCIII)			Not	t Recorded			Not Recorded	Not Recorded	>49	>49	>49	>49	>49	40.4		0.1 49
	llumn Rake Angle (deg)			IVO	37			26	27	25	25	24	31	25	35		26
Steering 60	OFF			Not	t Recorded			Not Recorded	Not Recorded	-48	-38	-47	-54	-48	-15		51
Key Angle	ACC				t Recorded			Not Recorded	Not Recorded	3	15	0	-14	3	15		0
(deg)	RUN				55			65	35	25	36	25	18	25	60		19
. 5,	CRANK			Not	t Recorded			Not Recorded	Not Recorded	65	69	65	56	65	87		59
Shifter Posi	ition (column/floor)				Column			Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	FI	oor
Key Position	n (column/dash/floor)				Column			Column	Column	Column	Column	Column	Column	Column	Column	Col	umn
	Inertial Test																
Key Type				Overmold	2		Overmold 2	Gen 1 Flip Key	Gen 1 Flip Key	Gen 1 Flip Key	Overmold 1 - Hole	Gen 1 Flip Key	Overmold - 15 mm Slot		Overmold 1		Flip Key
Insert Type				None			None	None	None	None	None	None	None	None	None		one
Insert Hole				N/A			4x6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		/A
	side Diameter (mm)	-		13			13	25	25	25	25	25	25	25	25		25
Number of	Key Rings			2		_	2	1	1	1	1	1	1	1	1		1
Special Con	nfiguration Notes		N	N/A		Re-test while recording acceleration data	N/A	Lock Cylinder Rotated	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	//A
Weight (lb)		0.70	0.63	0.55	0.40	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0	.70
Cubilete @	10 mnh	U.70	0.63 N/A	N/A	N/A	0.70	U.70	0.70 N	0.70 N	0.70 N	0.70	0.70 N	0.70 N	0.70 N	0.70		N
R&H (exclud	ding Chatter & Angled RR)	N	N/A	N/A	N/A	N	N	N N	N N	N N	N N	N N	N N	N	N N		N
	er (Hz MPH/3) @ 55 to 45 mph	N	N/A	N/A	N/A	N	N	N N	N	N N	N N	N N	N	N	N N	1	N
	d RR crossing @ 70+ mph	N	N/A	N/A	N/A	N	N	N	N	N	N	N	N	N	N		N
Pothole #1		Y	N	N/A	N/A	N	N	N	N	N	N	N	N	N	N		N
Pothole #2		Y	Υ	Υ	N	Υ	N	N	N	N	N	N	N	N	N		N
Panic stop ©		Y	Υ	N	N/A	Υ	N	N	N	N	N	N	N	N	N		N
Belgian Bloo		Υ	Υ	N	N/A	N	N	N	N	N	N	N	N	N	N		N
	Knee Key Test																
	Ease			Medium			Difficult	Not Possible	Not Possible	Not Possible	Not Recorded	Easy	Medium	Not Possible	Not Possible		Not Recorded
	Driving Position	_		Abnorma	I		Abnormal	N/A	N/A	N/A	Not Recorded	Abnormal	Abnormal	N/A	N/A	N/A	Not Recorded
5% Female	Knee Distance from Key (mm)			Gas - 191			Gas - 195	Gas - 100	Gas - 140	Gas - 90	Not Recorded	Gas -130	Gas - 152	Gas - 140	Gas - 130	Gas - 80	Not Recorded
	Knee Distance from Fob (mm)			Gas - 89			Gas - 95	N/A	N/A	Not Recorded	Not Recorded	N/A	Gas - 70	Not Recorded	Gas - 70	N/A	Not Recorded
	Ease			Difficult			Difficult	Difficult	Difficult	Easy	Medium	Easy	Medium	Difficult	Medium	Medium	Not Recorded
	Driving Position			Abnorma	ıl		Abnormal	Abnormal	Abnormal	Abnormal	Abnormal	Abnormal	Abnormal	Abnormal	Abnormal	Abnormal	Not Recorded
50% Male	Knee Distance from Key (mm)			Gas - 200)		Gas - 205	Gas - 165	Gas - 155	Gas - 155	Gas - 160	Gas - 135	Gas - 216	Gas - 132	Gas - 220	Gas - 155	Not Recorded
	Knee Distance from Fob (mm)			Gas - 100)		Gas - 105	N/A	N/A	Not Recorded	Gas - 95	N/A	Gas - 137	Not Recorded	Gas - 160	N/A	Not Recorded
	Ease			Difficult			Not Recorded	Not Possible	Not Possible	Not Possible	Easy	Easy	Difficult	Not Possible	Not Possible	Not Possible	Easy
	Driving Position			Abnorma			Not Recorded	N/A	N/A	N/A	Normal	Normal	Abnormal	N/A	N/A	N/A	Normal
95% Male	Knee Distance from Key (mm)			Gas - 125	5		Gas - 130	Gas - 90	Gas - 90	Gas - 100	Gas - 20	Gas - 80	Gas - 115	Gas - 70	Gas - 150	Gas - 85	Gas - 20
	Knee Distance from Fob (mm)			Gas - 25			Gas - 30	N/A	N/A	Not Recorded	Gas - 0	N/A	Gas - 40	Not Recorded	Gas - 89	N/A	N/A
	Hang Tag Test																
Condition P	Possible? (Yes/No)			Yes			Yes	Yes	Yes	Yes	Not Recorded	Yes	No	Yes	No		Vo
	Comments			Not Record	led		Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Re	ecorded

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	Test Vehicle Information									
ehicle Wor	rkbook	EK	EL	EM	EN	EO	EP	EC		ER
latform		Lambda	Gamma II	Epsilon II	D2	D2	Theta	C/K T	ruck	C/K Truck
rogram		GMT561	G1UC	GMX350	D2XX	D2XX	GMT177	GMT	900	GMT900
lodel Year		2013	2014	2014	2015	2015	2013	20		2014
ake		Chevrolet	Chevrolet	Buick	Chevrolet	Chevrolet	GMC	GN		Chevrolet
lodel		Traverse				Cruze	Terrain	Sierra 2		Tahoe
			Trax	Regal	Cruze					
IN		1GNKVJKDXDJ100307			LSGBE5447F0990064	LSGBE5439FG000014	2GKFL2E36D60001EX	1GT125EG1		1GNSKBE06ER190422
1ileage		20816	5088	1426	Not Recorded	821	27348	38	32	988
Keye	ed Ignition System Information									
	tch Part Number	20965947	94737994	Not Recorded	Not Recorded	13396112	20939745	Incorrectly	Recorded	Incorrectly Recorded
	tch Torque (Ncm)	18.6	10.5	29.0	4.0	5.0	29.2	Not Rec		Not Recorded
ystem forc	que (Ncm)	21.0	14.0	38.4	Not Recorded	13.4	31.5	15		19.0
ull-down F	orce (N)	>49	>49	>49	Not Recorded	>49	>49	>4		>49
teering Col	lumn Rake Angle (deg)	26	26	27	26	24	25	3:	2	33
	OFF	-38	-48	-55	Not Recorded	-38	-50	-1	8	-15
ey Angle	ACC	8	-4	10	Not Recorded	7	0	2		26
	RUN	36	24	20		33	25			
leg)					34			51		52
	CRANK	69	73	60	Not Recorded	89	64	8		91
hifter Posit	tion (column/floor)	Floor	Floor	Floor	Floor	Floor	Floor	Colu	ımn	Column
	(column/dash/floor)	Column	Column	Column	Column	Column	Column	Colu		Column
,	Inertial Test						22.01111	000		oolullii
ou Turno	mertiai rest	0 116	0.455.4	0.455.4	0 110	0 05" 1	0.455.8	0 11:	0 114	Ourse alsi f
еу Туре		Overmold 1	Gen 1 Flip Key	Gen 1 Flip Key	Overmold 2	Gen 2 Flip Key	Gen 1 Flip Key	Overmold 1	Overmold 1	Overmold 1
sert Type		None	None	None	None	None	None	None	One-Piece	None
sert Hole S		N/A	N/A	N/A	N/A	N/A	N/A	N/A	4x4	N/A
ev Ring Inc	ide Diameter (mm)	25	25	25	Not Recorded	25	25	25	13	25
				25 1						
umber of I	key kiriys	1	1	l l	Not Recorded	1	1	1	2	1
pecial Cont	figuration Notes	N/A	N/A	N/A	Inertial Test Not Performed	N/A	N/A	N/A	N/A	N/A
(ciab+ (lb)		0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
/eight (lb)		0.70		0.70	0.70	0.70	0.70	0.70		0.70
ubilete @ `		N	N	N	Not Recorded	N	N	N	Not Recorded	N
&H (exclud	ding Chatter & Angled RR)	N	N	N	Not Recorded	N	N	N	Not Recorded	N
&H Chatte	r (Hz MPH/3) @ 55 to 45 mph	N	N	N	Not Recorded	N	N	N	Not Recorded	N
8.H Angled	I RR crossing @ 70+ mph	N	N	N	Not Recorded	N	N	N	Not Recorded	N
		N		N N		N	N N	N N		N N
othole #1			N		Not Recorded				Not Recorded	
othole #2		N	N	N	Not Recorded	N	N	N	Not Recorded	N
anic stop @		N	N	N	Not Recorded	N	N	N	Not Recorded	N
lelgian Bloc	:ks	N	N	N	Not Recorded	N	N	N	Not Recorded	N
, J	Knee Key Test									
		E-mi	Medium	Not Possible	Net December	Medium	Difficult	Net Dessible	Net Dessible	Net Dessible
	Ease	Easy			Not Recorded			Not Possible	Not Possible	Not Possible
	Driving Position	Abnormal	Abnormal	N/A	Not Recorded	Abnormal	Abnormal	N/A	N/A	N/A
% Female	Knee Distance from Key (mm)	Gas - 133	Gas - 170	Gas - 80	Not Recorded	Gas - 70	Gas - 165	Gas - 215	Gas - 215	Gas - 21
	Knee Distance from Fob (mm)	Gas - 66	N/A	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Gas - 139	Gas - 146	Gas - 0
	Fase	Medium	Easy	Not Possible	Not Recorded	Easy	Easy	Not Possible	Not Possible	Not Possible
	Driving Position	Abnormal	Abnormal	N/A	Not Recorded	Abnormal	Abnormal	N/A	N/A	N/A
0% Male	Knee Distance from Key (mm)	Gas - 170	Gas - 200	Gas - 155	Not Recorded	Gas - 160	Gas - 178	Gas - 240	Gas - 240	Gas - 250
	Knee Distance from Fob (mm)	Gas - 103	N/A	N/A	Not Recorded	Not Recorded	Not Recorded	Gas - 180	Gas - 175	Gas - 160
	Ease	Medium	Medium	Not Possible	Not Recorded	Fasy	Medium	Not Recorded	Not Recorded	Not Possible
	Driving Position	Abnormal	Abnormal	N/A	Not Recorded	Normal	Abnormal	Not Recorded	Not Recorded	N/A
	Driving Fosition	ADHOITIAL	AUTOTTIAL	IV/M	Not recorded	Normal	AUTOTTIAL	Not recorded	Not recorded	IV/A
5% Male	Knee Distance from Key (mm)	Gas - 89	Gas - 95	Gas - 88	Not Recorded	Gas - 85	Gas - 85	Not Recorded	Not Recorded	Gas - 180
	Knee Distance from Fob (mm)	Gas - 22	N/A	Not Recorded	Not Recorded	Not Recorded	N/A	Not Recorded	Not Recorded	Gas - 90
	Hang Tag Test									
ondition P	ossible? (Yes/No)	No	Yes	Yes	Not Recorded	Not Possible	No	Not Recorded	Not Recorded	No
	Comments	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded

	Test Vehicle Information														1	
Vehicle Wo				ES				ET				EU		EV	EW	EX
Platform				C/K Truck				C/K Truck				C/K Truck		Global Mini	Global Mini	Zeta
Program				K2XX				K2XX				K2XX		M300	M2XX	GMX521
Model Year				2014				2015				2015		2014	2017	2013
Make				GMC				Chevrolet				GMC		Chevrolet	Chevrolet	Chevrolet
Model			Sierra	a Denali 1500L)			Suburban				Yukon		Spark	Spark	Camaro SS
VIN			3GTUZ	ZWEC8EG33761	17		10	SNSKHEC2FR1004	38		1GKS2	AKC4FR100160		KL8CF6S98EC400221	KL8CJ6S88DCM00434	2G1FK1EJ9D9100730
Mileage				2911				4703				2047		2080	2174	14040
	ed Ignition System Information															
	tch Part Number	Incorrectly Recorded		ctly Recorded		ectly Recorded	Not Recorded		ecorded		y Recorded		/ Recorded	Not Recorded	94737994	Not Recorded
	tch Torque (Ncm)	Not Recorded		Recorded	No	t Recorded	Not Recorded		ecorded		ecorded		corded	Not Recorded	10.5	Not Recorded
System Toro		19.0 48.3		19.0 48.3		19.0	17.7 >49		7.7		8.2		3.2	12.0	15.7	19.9
Pull-down F	lumn Rake Angle (deg)	48.3		33	INO	t Recorded 33	>49 35		ecorded 35		38		corded 8	>49 25	>49 26	Not Recorded 21
Steering Co	OFF	-14.9		-14.9		-14.9	-15		15		14		14	-40	56	Not Recorded
Key Angle	ACC	39.5		39.5		39.5	28		28		24		4	0	96	Not Recorded
(deg)	RUN	56.8		56.8		56.8	57		57		53		i3	35	130	22
(- 3)	CRANK	91.6		91.6		91.6	80		30		90		0	87	169	Not Recorded
Shifter Posi	tion (column/floor)	Column	C	Column		Column	Column	Col	umn	Co	umn	Coli	umn	Floor	Floor	Floor
Key Position	(column/dash/floor)	Column	C	Column		Column	Column	Col	umn	Co	umn	Coli	umn	Column	Column	Column
	Inertial Test															
Key Type		Overmold 3		ermold 3	Overmold		Overmold 3	Overmold 2	Overmold 2		mold 3	Overmold 2	Overmold 2	Gen 1 Flip Key - Edge Cut	Gen 2 Flip Key	Overmold 2
Insert Type		None		None	None	One-Piece	None	None	One-Piece		one	None	One-Piece	None	None	None
Insert Hole		N/A	ļ	N/A	N/A	4x4	N/A	N/A	4x4		I/A	N/A	4x4	N/A	N/A	N/A
	ide Diameter (mm)	25		25	13	13	25	13	13		25	13	13	25	25	25 1
Number of	Key Rings	1		1	2	2	1	2	2		1	2	2	1	1	1
		Inertial Test Not Performed														
Special Con	figuration Notes	(Only Collected Ign Sw		N/A	N/A	N/A	N/A	N/A	N/A	1	I/A	N/A	N/A	N/A	N/A	Solid Mass Weight
		Acceleration Data)														
Majaht (Ib)		0.70	0.70	0.73	0.70 0.73 0	0.55 1.40	0.70	0.70 0.63 0.55	1.40	0.70	0.63	0.70	1.40	0.70	0.70	0.70
Weight (lb) Cubilete @	10 mnh	0.70 Not Recorded	0.70 N	0.63 N/A	0.70 0.63 C		0.70 N	N N/A N/A		0.70	0.63 N/A	0.70 N	1.40 N	0.70 N	0.70 N	0.70 N
	ding Chatter & Angled RR)	Not Recorded	N	N/A	N N/A I		N	N N/A N/A		N N	N/A	N	N N	N N	N N	N N
	r (Hz MPH/3) @ 55 to 45 mph	Not Recorded	N	N/A	N N/A I		N	N N/A N/A	N	N	N/A	N	N	N N	N N	N
	I RR crossing @ 70+ mph	Not Recorded	N	N/A	N N/A I		N	N N/A N/A		N	N/A	N	N	N	N	N
Pothole #1		Not Recorded	N	N/A	N N/A I		N	N N/A N/A	N	N	N/A	N	N	N	N	N
Pothole #2	@ 25 mph	Not Recorded	Υ	N	YY	N N	N	Y Y N	N	N	N/A	N	N	N	N	N
Panic stop ©		Not Recorded	N	N/A	N N/A I		N	N N/A N/A		N	N/A	N	N	N	N	N
Belgian Bloo		Not Recorded	Υ	N	N N/A	V/A N	N	N N/A N/A	N	Υ	N	N	N	N	N	N
	Knee Key Test															
	Ease	Not Recorded		Recorded	Difficult		Not Recorded	Medium	Not Recorded		ecorded	Not Recorded		Not Possible	Easy	Not Recorded
	Driving Position	Not Recorded	IVOI	Recorded	Abnorma	Not Recorded	Not Recorded	Abnormal	Not Recorded	NOI R	ecorded	NOT Recorded	Not Recorded	N/A	Abnormal	Not Recorded
5% Female	Knee Distance from Key (mm)	Not Recorded	Not	Recorded	Gas - 178	Not Recorded	Not Recorded	Gas - 203	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Gas - 100	Gas - 115	Not Recorded
	inice bistance irom key (iiiii)	Not necestade				THO CHOOD I GOO	Not nocoraca		not necoraca			THO THOUGH GO	Not necestated	043 100	003 110	Not notoraca
	Knee Distance from Fob (mm)	Not Recorded	Not	Recorded	Gas - 89	Not Recorded	Not Recorded	Gas - 114	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Not Recorded	N/A	Not Recorded
	Ease	Not Recorded		Recorded	Not Possib	le Not Recorded	Not Recorded	Not Possible	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Not Possible	Easy	Not Recorded
	Driving Position	Not Recorded	Not	Recorded	N/A	Not Recorded	Not Recorded	N/A	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	N/A	Abnormal	Not Recorded
50% Male	Knee Distance from Key (mm)	Not Recorded	Not	Recorded	Gas - 254	Not Recorded	Not Recorded	Gas - 235	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Gas - 165	Gas - 160	Not Recorded
	Knee Distance from Fob (mm)	Not Recorded	Not	Recorded	Gas - 178	Not Recorded	Not Recorded	Gas - 165	Not Recorded	Not P	ecorded	Not Recorded	Not Recorded	Not Recorded	N/A	Not Recorded
	kilee bistance iroin rob (min)	Not necorded	1400	Recorded	043-170	Not recorded	1401 NCCOI GCG	043 - 103	Not recorded	Notite	coraca	1401 NCCOI GCG	Not recorded	Not recorded	10/75	Not Recorded
	Ease	Not Recorded	Not	Recorded	Difficult	Not Recorded	Not Recorded	Medium	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Not Possible	Easv	Not Recorded
	Driving Position	Not Recorded		Recorded	Abnorma		Not Recorded	Abnormal	Not Recorded		ecorded	Not Recorded		N/A	Normal	Not Recorded
95% Male	Knee Distance from Key (mm)	Not Recorded	Not	Recorded	Gas - 150	Not Recorded	Not Recorded	Gas - 203	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Gas - 90	Gas - 45	Not Recorded
7070111010																
	Knee Distance from Fob (mm)	Not Recorded	Net	Recorded	Gas - 70	Not Recorded	Not Recorded	Gas - 114	Not Recorded	N-4 D	ecorded	Not Recorded	Not Recorded	Not Recorded	N/A	Not Recorded
	Kriee Distance Iron Fob (IIIII)	Not recorded	NOU	Recorded	Gas - 70	Not Recorded	Not Recorded	GdS - 114	Not Recorded	NOT R	ecorueu	Not Recorded	Not Recorded	Not recorded	IN/A	Not Recorded
	Hang Tag Test												'			
Condition P	ossible? (Yes/No)	Not Recorded	Not	Recorded	Yes	Not Recorded	Not Recorded	Yes	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	No	Yes	Not Recorded
	Comments	Not Recorded	Not	Recorded	Not Record	ed Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
	Comments	Not Recorded	Not	Recorded	Not Record	ed Not Recorded	Not Recorded	Not Recorded	Not Recorded	Not R	ecorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded	Ne

	Test Vehicle Information										
Vehicle Wo			E,	1	EZ		FA	FI	3	FC	FD
Platform			Ze	a	Other	0	ther	Delta I	A-Car)	Theta	Lambda
Program			GMX	557	Other	0	ther	GMX	001	GMT172	GMT968
Model Year	-		200	08	2004	2	003	20	05	2014	2014
Make			Pon		Saab		aab	Chev		Chevrolet	GMC
Model			G		9 3		5	Cob		Equinox	Acadia
VIN			6G2EC57Y8		YS3FH49Y841024848		233010787	1G1AK52F1		1GNALBEK7EZ128957	1GKKVTKD7EJ100050
Mileage			Not Rec	orded	105344	10	4261	816	24	Not Recorded	Not Recorded
	red Ignition System Information										
	itch Part Number		Not Red		12801010		13692	23215459	10392423	Not Recorded	Not Recorded
	itch Torque (Ncm)		Not Rec		Not Recorded		I/A	Not Recorded	Not Recorded	Not Recorded	Not Recorded
System Tor			Not Rec		18.5		9.4	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Pull-down F			Not Rec		N/A		I/A I/A	Not Recorded	Not Recorded	>49	>49
steering co	lumn Rake Angle (deg)		Not Red Not Red		N/A Not Recorded		ecorded	20 Not Recorded	20 Not Recorded	Not Recorded Not Recorded	Not Recorded Not Recorded
Key Angle	ACC		Not Rec		Not Recorded		ecorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
(deg)	RUN		Not Rec		Not Recorded		ecorded	60	60	Not Recorded	Not Recorded
(ucg)	CRANK		Not Rec		Not Recorded		ecorded	Not Recorded	Not Recorded	Not Recorded	Not Recorded
Shifter Posi	ition (column/floor)		Flo		Floor		loor	Floor	Floor	Floor	Floor
	n (column/dash/floor)		Colu		Center Console		Console	Column	Column	Column	Column
,	Inertial Test										
Кеу Туре		Flip Key	Rigid Key	Rigid Key - Blade Rotated 90 deg	Rigid - 18 mm Slot	Rigid - 2	0 mm Slot	Overmold 1 - Counterfeit	Overmold 1 - Counterfeit	Gen 1 Flip Key	Overmold 1
nsert Type		None	None	None	None		one	None	None	None	None
nsert Hole		N/A	N/A	N/A	N/A	1	I/A	5	5	N/A	N/A
	side Diameter (mm)	25	25	25	25		25	13	13	25	25
Number of	Key Rings	1	1	1	1		1	2	2	1	1
Special Con	ifiguration Notes	Inertial Test Not Performed	Inertial Test Not Performed	Inertial Test Not Performed	N/A		I/A	Post-Recall Ignition Switch	Pre-Recall Ignition Switch	Inertial Test Not Performed	Inertial Test Not Performed
Neight (lb)		0.70	0.70	0.70	0.70	0.70	0.63	0.70	0.70	0.70	0.70
Cubilete @		Not Recorded	Not Recorded	Not Recorded	N	N	N/A	N	N	Not Recorded	Not Recorded
	ding Chatter & Angled RR)	Not Recorded	Not Recorded	Not Recorded	N	N	N/A	N	N	Not Recorded	Not Recorded
R&H Chatte	er (Hz MPH/3) @ 55 to 45 mph	Not Recorded	Not Recorded	Not Recorded	N	N	N/A	N	N	Not Recorded	Not Recorded
	d RR crossing @ 70+ mph	Not Recorded	Not Recorded	Not Recorded	N	N	N/A	N	N	Not Recorded	Not Recorded
Pothole #1		Not Recorded	Not Recorded	Not Recorded	N	N	N/A	N	N	Not Recorded	Not Recorded
	@ 25 mph	Not Recorded	Not Recorded	Not Recorded	N	N	N/A	N	N	Not Recorded	Not Recorded
Panic stop		Not Recorded	Not Recorded	Not Recorded	N	Υ	N	N	N	Not Recorded	Not Recorded
Belgian Blo		Not Recorded	Not Recorded	Not Recorded	N	N	N/A	N	N	Not Recorded	Not Recorded
	Knee Key Test										
	Ease	Easy	Easy	Difficult				Not Recorded	Not Recorded	Not Possible	Medium
	Driving Position	Abnormal	Abnromal	Abnormal				Not Recorded	Not Recorded	N/A	Abnormal
5% Female	Knee Distance from Key (mm)	Gas – 120 Brake – 100	Gas - 120 Brake - 100	Gas – 100 Brake – 75				Not Recorded	Not Recorded	Gas - 150	Gas - 133
	knee Distance from key (mm)	Relaxed – 100	Relaxed – 100	Brake – 75 Relaxed – 65				Not Recorded	Not Recorded	Gas - 150	Gas - 133
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Not Recorded	-			Not Recorded	Not Recorded	Not Recorded	Gas - 51
	Ease	Easy	Easy	Not Recorded	_			Not Recorded	Not Recorded	Easy	Easy
	Driving Position	Abnormal	Abnromal	Not Recorded	Ign Sw on Console, standard		nsole, standard	Not Recorded	Not Recorded	Abnormal	Abnormal
	Driving residen	Gas – 130	Gas – 130	Not recorded	knee key test not performed.		not performed.	NOT NCCOTACA	1401 NCCOI GCG	Abriornia	Abriornal
.00/ 14 /	Knee Distance from Key (mm)	Brake – 130	Brake – 130	Not Recorded	See "2014-10-08-FR1_Saab		0-08-FR1_Saab	Not Recorded	Not Recorded	Gas - 165	Gas - 165
0% Male	, , ,	Relaxed – 190	Relaxed - 190		Ignition Key Evaluation.pptx"		valuation.pptx"				
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Not Recorded	(stored in Field Response Team Work Ticket 2014-10-08-FR1 archive) for assessment of	Team Work Ti FR1 archive) for	ield Response cket 2014-10-08- or assessment of	Not Recorded	Not Recorded	Not Recorded	Gas - 89
	Ease	Easy	Easy	Difficult	driver interaction with ignition			Not Recorded	Not Recorded	Not Possible	Medium
	Driving Position	Normal	Normal	Abnormal	key.	l '	ey.	Not Recorded	Not Recorded	N/A	Abnormal
		Gas - 65	Gas – 65	Gas – 75						*	
95% Male	Knee Distance from Key (mm)	Brake - 45	Brake – 45	Brake – 50				Not Recorded	Not Recorded	Gas - 85	Gas - 89
75% IVIAIR		Relaxed - 90	Relaxed - 90	Relaxed – 125							
	Knee Distance from Fob (mm)	Not Recorded	Not Recorded	Not Recorded				Not Recorded	Not Recorded	N/A	Gas - 0
	Hang Tag Test		1								
Condition P	Possible? (Yes/No)	Not Recorded	Not Recorded	Not Recorded	N/A - Ign Sw on Console	N/A - Iqn S	w on Console	Not Recorded	Not Recorded	Yes	No
	Comments	Not Recorded	Not Recorded	Not Recorded	N/A - Ign Sw on Console		w on Console	Not Recorded	Not Recorded	Not Recorded	Not Recorded

Vehicle Workbook				
Patform		Test Vehicle Information		
CIUB CAMOSS Model 2016 2014 Make Buick Buick Buick Buick Buick Model Encore LaCrosse LaCros		KDOOK		
Model Park Buick				
Make				
Model				
Mileage				
Seyed Ignition System Information			KL4BD76B9GBM00876	
Ignition Switch Part Number Not Recorded Not			Not Recorded	Not Recorded
Not Recorded No	Keye	ed Ignition System Information		
System Torque (Ncm) Pull-down Force (N) S-49 S-49 Seering Column Rake Angle (deg) Not Recorded N				
Pull-down Force (N) 3-49 3-49	Ignition Swi	tch Torque (Ncm)		
Note Recorded Not	System Toro	que (Ncm)		
OFF				
Key Angle (deg) (deg) (deg) (deg) RUN RUN RUN RUN RECORDED RUN RUN RECORDED RUN RE	Steering Co.			
RUN	Key Angle			
CRANK Not Recorded Not Recorded Not Recorded Shifter Position (column/floor) Floor Floo				
Shifter Position (column/floor) Key Position (column/floor) Inertial Test Key Type Insert Type None None Insert Hole Size (mm) Nu/A Key Ring Inside Diameter (mm) Special Configuration Notes Inertial Test Not Performed Inertial	(ueg)			
Column Column Column Column Column Inertial Test	Shifter Posit			
Key Type				
Key Type				
Insert Type Insert Hole Size (mm) Key Ring Inside Diameter (mm) Note N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A			Gen 1 Flip Key	Gen 1 Flip Key
Key Ring Inside Diameter (mm) 25 25 Number of Key Rings 1 1 Special Configuration Notes Inertial Test Not Performed Inertial Test Not Performed Weight (lb) 0.70 0.70 0.70 Cubilete @ 10 mph Not Recorded Not Recorded Not Recorded R&H Chatter (Hz MPH/3) @ 55 to 45 mph Not Recorded Not Recorded Not Recorded R&H Angled RR crossing @ 70+ mph Not Recorded Not Recorded Not Recorded Pothole #1 @25 mph Not Recorded Not Recorded Not Recorded Pothole #2 @ 25 mph Not Recorded Not Recorded Not Recorded Pothole #2 @ 10 mph Not Recorded Not Recorded Not Recorded Panic stop @ 10 mph Not Recorded Not Recorded Not Recorded Belgian Blocks Not Recorded Not Recorded Not Recorded Knee Key Test Medium Not Possible Ease Medium Not Possible Driving Position Abnormal Abnormal Knee Distance from Key (mm) Abnormal	Insert Type		None	None
Number of Key Rings 1 1 1 Special Configuration Notes Inertial Test Not Performed Inertial Test Not Performed Weight (Ib) 0.70 0.70 0.70 Cubilete @ 10 mph Not Recorded Not Recorded Not Recorded R&H (excluding Chatter & Angled RR) Not Recorded Not Recorded Not Recorded R&H Catter (Hz MPH/3) @ 55 to 45 mph Not Recorded Not Recorded Not Recorded R&H Angled RR crossing @ 70+ mph Not Recorded N				
Special Configuration Notes Inertial Test Not Performed Intertial Test Not Percorded Intertial Test Not Percorded Intertial Test Not Percorded Intertial Test Not Recorded Inter				
Weight (Ib) Cubliete @ 10 mph R&H (excluding Chatter & Angled RR) R&H (excluding Chatter & Angled RR) Not Recorded Not Recorded R&H Chatter (Hz MPH/3) @ 55 to 45 mph Not Recorded Sas - 110 Not Recorded Not Recorde	Number of	Key Rings	1	1
Cubliste @ 10 mph Not Recorded Not Recorded R&H (excluding Chatter & Angled RR) Not Recorded Not Recorded R&H (chatter (Hz MPH/3) @ 55 to 45 mph Not Recorded Not Recorded R&H Angled RR crossing @ 70+ mph Not Recorded Not Recorded Pothole #1 @25 mph Not Recorded Not Recorded Pothole #2 @ 25 mph Not Recorded Not Recorded Panic stop @ 10 mph Not Recorded Not Recorded Panic stop @ 10 mph Not Recorded Not Recorded Belgian Blocks Not Recorded Not Recorded Knee Key Test Medium Not Possible Ease Medium Not Possible Driving Position Abnormal N/A Knee Distance from Key (mm) Not Recorded Fob - 100 Ease Easy Easy Driving Position Abnormal Abnormal Knee Distance from Key (mm) Gas - 171 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 170 Ease Medium Not Possible	Special Con	figuration Notes	Inertial Test Not Performed	Inertial Test Not Performed
R&H Clexibuding Chatter & Angled RR) R&H Chatter (Hz MPH/3) @ 55 to 45 mph R&H Chatter (Hz MPH/3) @ 70 + mph Not Recorded R&H Angled RR crossing @ 70 + mph Not Recorded Sas - 110 Knee Distance from Fob (mm) Not Recorded Reliant Sas Sas Sas Sas Sas Sas Sas Sas Sas Sas	Weight (lb)			
R&H Chatter (Hz MPH/3) @ 55 to 45 mph Not Recorded Not Recorded R&H Angled RR crossing @ 70+ mph Not Recorded Not Recorded Pothole #1 @25 mph Not Recorded Not Recorded Pothole #2 @ 25 mph Not Recorded Not Recorded Panic stop @ 10 mph Not Recorded Not Recorded Belgian Blocks Not Recorded Not Recorded Rece Key Test Not Recorded Not Recorded Ease Medium Not Possible Driving Position Abnormal N/A Knee Distance from Key (mm) Gas - 140 Gas - 110 Knee Distance from Fob (mm) Not Recorded Fob - 100 Ease Easy Easy Driving Position Abnormal Abnormal Knee Distance from Key (mm) Gas - 171 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 170 Ease Medium Not Possible Driving Position Abnormal N/A Knee Distance from Key (mm) Gas - 87 Not Recorded Knee Dista	Cubilete @	10 mph		
R&H Angled RR crossing @ 70+ mph Not Recorded Not Recorded Pothole #1 @25 mph Not Recorded Not Recorded Pothole #2 @ 25 mph Not Recorded Not Recorded Panic stop @ 10 mph Not Recorded Not Recorded Belgian Blocks Not Recorded Not Recorded Knee Key Test Medium Not Possible Ease Medium Not Possible Driving Position Abnormal N/A Knee Distance from Key (mm) Gas - 140 Gas - 110 Knee Distance from Fob (mm) Not Recorded Fob - 100 Ease Easy Easy Driving Position Abnormal Abnormal Abnormal Abnormal Abnormal Knee Distance from Key (mm) Gas - 171 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 170 Ease Medium Not Possible Driving Position Abnormal Not Possible Not Recorded Gas - 170 Not Recorded Knee Distance from Key (mm) Gas - 87				
Pothole #1 @25 mph Not Recorded Not Recorded Pothole #2 @25 mph Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Relgian Blocks Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Relgian Blocks Not Recorded Not Recorded Not Recorded Not Recorded Relgian Blocks Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Not Recorded Relgian Blocks Not Recorded Not Recorded Research Not Recorded Fob - 100 Research Relgian Blocks Not Recorded Research Relgian Blocks Not Recorded Research Relgian Blocks Not Recorded Research Relgian Blocks Not Recorded Research Relgian Blocks Not Recorded Relgian Blocks Not Recorded Research Relgian Blocks Not Recorded Relgian Blocks Not Recorded Relgian Blocks Not Recorded Relgian Blocks Not Recorded Research Relgian Blocks Not Recorded Relgian Blocks	R&H Chatte	r (Hz MPH/3) @ 55 to 45 mph		
Pothole #2 @ 25 mph Not Recorded Not Recorded Panic stop @ 10 mph Not Recorded Not Recorded Belgian Blocks Not Recorded Not Recorded Knee Key Test Medium Not Possible Ease Medium Not Possible Driving Position Abnormal N/A Knee Distance from Key (mm) Gas - 140 Gas - 110 Knee Distance from Fob (mm) Not Recorded Fob - 100 Ease Easy Easy Driving Position Abnormal Abnormal Knee Distance from Key (mm) Gas - 171 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 170 Ease Medium Not Possible Driving Position Abnormal N/A Knee Distance from Key (mm) Gas - 87 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 90 Hang Tag Test Not Recorded Gas - 90	R&H Angled	are mak		
Panic stop @ 10 mph Not Recorded Not Recorded Belgian Blocks Not Recorded Not Recorded 5% Female Ease Driving Position Medium Not Possible N/A 5% Female Knee Distance from Key (mm) Gas - 140 Gas - 110 Knee Distance from Fob (mm) Not Recorded Fob - 100 Ease Driving Position Easy Easy Easy Driving Position Abnormal Abnormal Knee Distance from Key (mm) Gas - 171 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 170 Ease Driving Position Abnormal N/A Medium Not Possible Driving Position Not Recorded Knee Distance from Key (mm) Gas - 87 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 90 Hang Tag Test Condition Possible? (Yes/No) No Yes	Pothole #2	@ 25 mph		
Belgian Blocks Not Recorded Not Recorded Knee Key Test [ase Medium Not Possible Driving Position Abnormal N/A 5% Female Knee Distance from Key (mm) Gas - 140 Gas - 110 Knee Distance from Fob (mm) Not Recorded F ob - 100 Easy Easy Ease Easy Description Not Recorded Gas - 170 Not Recorded Gas - 170 Not Recorded Recorded Male Not Recorded Sas - 170 Not Recorded Gas - 87 Not Recorded Recorded Male Recorded Gas - 90 Not Recorded Gas - 90 Not Recorded Gas - 90 Not Recorded Gas - 90 Not Reco				
Not Possible				
Ease	Boigian Bioc		Hot Recorded	Tot Recorded
Driving Position Abnormal N/A 5% Female Knee Distance from Key (mm) Gas - 140 Gas - 110 Knee Distance from Fob (mm) Not Recorded Fob - 100 Ease Easy Easy Driving Position Abnormal Abnormal Knee Distance from Key (mm) Gas - 171 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 170 Ease Medium Not Possible Driving Position Abnormal N/A Knee Distance from Key (mm) Gas - 87 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 90 Hang Tag Test Condition Possible? (Yes/No) No Yes			Medium	Not Possible
Knee Distance from Key (mm) Gas - 140 Gas - 110 Knee Distance from Fob (mm) Not Recorded Fob - 100 Easy Easy Easy Driving Position Abnormal Abnormal 50% Male Knee Distance from Key (mm) Gas - 171 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 170 Ease Medium Not Possible Driving Position Abnormal N/A Knee Distance from Key (mm) Gas - 87 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 90 Hang Tag Test Condition Possible? (Yes/No) No Yes		Driving Position	Abnormal	
Easy	5% Female	Knee Distance from Key (mm)	Gas - 140	Gas - 110
Driving Position		Knee Distance from Fob (mm)	Not Recorded	Fob - 100
50% Male Knee Distance from Key (mm) Gas - 171 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 170 Base Medium Not Possible Driving Position Abnormal N/A Knee Distance from Key (mm) Gas - 87 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 90 Hang Tag Test Condition Possible? (Yes/No) No Yes				
Knee Distance from Fob (mm) Not Recorded Gas - 170		Driving Position	Abnormal	Abnormal
Ease Medium Not Possible	50% Male	Knee Distance from Key (mm)	Gas - 171	Not Recorded
Driving Position Abnormal N/A				
95% Male Knee Distance from Key (mm) Gas - 87 Not Recorded Knee Distance from Fob (mm) Not Recorded Gas - 90 Hang Tag Test Condition Possible? (Yes/No) No Yes				
Knee Distance from Fob (mm) Hang Tag Test Condition Possible? (Yes/No) No Yes		Driving Position	Abnormal	N/A
Hang Tag Test Condition Possible? (Yes/No) No Yes	95% Male	Knee Distance from Key (mm)	Gas - 87	Not Recorded
Condition Possible? (Yes/No) No Yes			Not Recorded	Gas - 90
Comments Not Recorded Not Recorded	Condition P	ossible? (Yes/No)	No	Yes
		Comments	Not Recorded	Not Recorded

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